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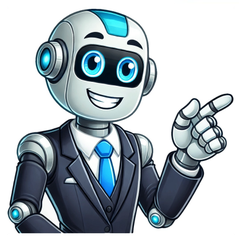

A regularly updated listing of planned orbital missions from spaceports around the globe. Dates and times are given in Greenwich Mean Time. “NET” stands for no earlier than. “TBD” means to be determined. See our Launch Log for a listing of completed space missions since 2004. July 25/26 Vega-C • VV27 Launch time: 11:03 p.m. in French Guiana (10:03 p.m. EDT / 0203 UTC) Launch site: Europe's Spaceport, Kourou, French Guiana An Arianespace Vega-C rocket will launch Airbus’ four CO3D (Constellation Optique en 3D) satellites into a low Earth polar, Sun-synchronous orbit (SSO) at an altitude of 502 km (312 mi). They are joined on the rocket by the MicroCarb satellite from the French space agency, CNES, which will operate in a circular SSO at an altitude of 650 km (404 mi). The two missions are designed to operate for six years and five years respectively. CO3D will use its four, small satellites for an Earth observation and 3D mapping mission while MicroCarb works to measure global atmospheric carbon dioxide distribution. The mission is designated as Flight VV27 by Arianespace denoting this as the 27th launch of a Vega-class rocket. This will be the fifth flight of a Vega-C rocket. Updated: July 23 July 26 Falcon 9 • Starlink 10-26 Launch time: 4:34 a.m. EDT (0834 UTC) Launch site: SLC-40, Cape Canaveral Space Force Station, Florida A SpaceX Falcon 9 rocket will launch another batch of 28 Starlink V2 Mini satellites into low Earth orbit. A little more than eight minutes after liftoff, the first stage booster, tail number B1078, launching for a 22nd time, will target a landing on the droneship, ‘A Shortfall of Gravitas,’ positioned in the Atlantic Ocean. Delayed from July 25. Updated: July 25 July 26/27 Falcon 9 • Starlink 17-2 Launch time: 8:55 p.m. PDT (11:55 p.m. EDT / 0355 UTC) Launch site: SLC-4E, Vandenberg Space Force Base, California A SpaceX Falcon 9 rocket will launch another batch of 24 Starlink V2 Mini satellites into low Earth orbit. A little more than eight minutes after liftoff, the first stage booster, tail number B1075, launching for a 19th time, will target a landing on the droneship, ‘Of Course I Still Love You,’ positioned in the Pacific Ocean. Updated: July 25 NET July 27/28 Eris • TestFlight1 Launch time: Window opens at 7:30 a.m. ACT on July 28 (5:30 p.m. EDT / 2130 UTC on July 27) Launch site: Pad 1, Bowen Orbital Spaceport Gilmour Space in Australia is preparing to launch the inaugural flight of its Eris Block 1 rocket. The three-stage launch vehicle is 25 m (82 ft) tall and is equipped with 1.5 m (4.9 ft) diameter payload fairings. The rocket is designed to send up to 305 kg up to low Earth orbit. This first mission, called “TestFlight1,” does not appear to have a payload on board. Delayed from May 4, 2024, due to a lack of launch permit. Delayed from May 14/15 due to a ground support system issue. Delayed from May 15/16 due to unintended triggering of the payload fairing deployment at the pad. Delayed from July 1, 2, 3 & 16. Delayed from July 26/27. Updated: July 25 July 29/30 Falcon 9 • Starlink 10-29 Launch time: 11:30 p.m. EDT (0330 UTC) Launch site: SLC-40, Cape Canaveral Space Force Station, Florida A SpaceX Falcon 9 rocket will launch another batch of 27 Starlink V2 Mini satellites into low Earth orbit. A little more than eight minutes after liftoff, the first stage booster, tail number B1069, launching for a 26th time, will target a landing on the droneship, ‘Just Read the Instructions,’ positioned in the Atlantic Ocean. Updated: July 25 July 30 GSLV-F16 • NISAR Launch time: 5:40 p.m. IST (8:10 a.m. EDT / 1210 UTC) Launch site: Satish Dhawan Space Centre (SDSC SHAR), Sriharikota, India A Geosynchronous Satellite Launch Vehicle (GSLV) F-16 rocket from the Indian Space Research Organisation (ISRO) will launch the NASA-ISRO Synthetic Aperture Radar (NISAR) satellite into a 743 km Sun-synchronous orbit at a 98.4 inclination. The NISAR satellite, weighing 2,392 kg (5,273.5 lbs), is described as the first SAR satellite that features a dual frequency that combines an L-band from NASA and an S-band from ISRO. This is the first satellite produced through a collaboration between these two space agencies. Updated: July 21 July 30 Falcon 9 • Starlink 13-4 Launch time: 8:39 a.m. PDT (11:39 a.m. EDT / 1539 UTC) Launch site: SLC-4E, Vandenberg Space Force Base, California A SpaceX Falcon 9 rocket will launch a batch of 19 Starlink V2 Mini satellites into low Earth orbit. A little more than eight minutes after liftoff, the first stage booster, tail number B1071, launching for a 27th time, will target a landing on the droneship, ‘Of Course I Still Love You,’ positioned in the Pacific Ocean. Updated: July 25 NET July 31 Falcon 9 • Crew-11 Launch time: 12:09 p.m. EDT (1609 UTC) Launch site: Launch Complex 39A, Kennedy Space Center, Florida SpaceX will launch its Falcon 9 rocket with a Crew Dragon spacecraft carrying three astronauts and a cosmonaut to begin a long-duration mission onboard the International Space Station. This will be the 11th crew rotation mission launched under NASA’s Commercial Crew Program. The mission will be led by NASA astronaut Zena Cardman, who will be making her first trip to space. She was previously assigned as the commander of the Crew-9 mission before NASA removed her and fellow NASA astronaut Stephanie Wilson to create space for NASA astronauts Butch Wilmore and Suni Williams to return onboard the Dragon Freedom spacecraft. Cardman will be joined by fellow NASA astronaut Mike Fincke, JAXA (Japan Aerospace Exploration Agency) astronaut Kimiya Yui and Roscosmos cosmonaut Oleg Platonov. Platonov will be making his first trip to space. This will be the fourth trip to the ISS for Fincke and the second for Yui. Updated: July 10 August 3/4 Falcon 9 • Starlink 17-4 Launch time: 7:05 p.m. PDT (10:05 p.m. EDT / 0205 UTC) Launch site: SLC-4E, Vandenberg Space Force Base, California A SpaceX Falcon 9 rocket will launch 24 Starlink satellites into low Earth orbit. A little more than eight minutes after liftoff, the first stage booster, tail number B1088, launching for a ninth time, will land on the droneship, ‘Of Course I Still Love You,’ positioned in the Pacific Ocean. Updated: July 25 NET August Ariane 6 • MetOp-SG A1 / Sentinel-5 Launch time: TBD Launch site: Europe's Spaceport, Kourou, French Guiana An Ariane 6 rocket from Arianespace will launch EUMETSAT’s MetOp-SG A1 (MetOp Second Generation) satellite to a polar orbit at an altitude of 832 km (517 mi). The satellite also carries the Copernicus Sentinel-5 satellite onboard. This is the first in a series of six satellites scheduled to be launched between now and 2040. These MetOp satellites weigh more than 4,000 kg (8,819 lbs) each and is about the size of a small truck. This will be the third launch of an Ariane 6 rocket. Updated: July 03 Late Summer Falcon 9 • CRS-33 Launch time: TBD Launch site: Launch Complex 39A, Kennedy Space Center, Florida A SpaceX Falcon 9 rocket will launch a Cargo Dragon spacecraft with thousands of pounds of science and supplies to the International Space Station. Its launch date is being driven by the launch of the SpaceX Crew-11 flight to the ISS, which is scheduled for late July or early August as of July 3, as well as the departure of Crew-10. The Dragon flying this mission will include a new propulsion system within the vehicle’s trunk that will allow it to perform a boost of the space station. This is a milestone in SpaceX’s development of the ISS Deorbit Vehicle, which will help slowly lower the orbit of the space station at the end of its functional life around the 2030/2031 timeframe. Updated: July 03 NET Mid-September Falcon 9 • NG-23 Launch time: TBD Launch site: LC-39A or SLC-40, Florida A SpaceX Falcon 9 rocket will launch a Cygnus spacecraft from Northrop Grumman on a resupply mission to the International Space Station. This will be the 22nd launch of a Cygnus spacecraft. The NG-22 mission was delayed indefinitely after the spacecraft was damaged during transport to Florida. Updated: July 03 NET September Falcon 9 • IMAP Launch time: TBD Launch site: Launch Complex 39A, Kennedy Space Center, Florida A SpaceX Falcon 9 rocket will launch a rideshare mission carrying two spacecraft for NASA and one for the National Oceanic and Atmospheric Administration (NOAA). The primary payload is NASA’s Interstellar Mapping and Acceleration Probe (IMAP), which will use its 10 science instruments to study the boundary of the Sun’s heliosphere. Along for the ride are NASA’s Carruthers Geocorona Observatory, designed to observe the ultraviolet light from the Earth’s geocorona, and NOAA’s Space Weather Follow On Lagrange 1 (SWFO-L1), which will monitor the Sun for key space weather activity. All three spacecraft will be sent toe Lagrange Point 1 (L1), which is about a 1.5 million km from Earth and is positioned in between the Earth and the Sun. Updated: July 09 Late Fall H3 • HTV-X Launch time: TBD Launch site: Yoshinobu Launch Complex, JAXA Tanegashima Space Center An H3 launch vehicle, a rocket developed through a partnership between Mitsubishi Heavy Industries and JAXA (Japan Aerospace Exploration Agency), will launch the first HTV-X cargo resupply vehicle to the International Space Station. Updated: July 03 NET November 2025 Falcon 9 • Sentinel-6B Launch time: TBD Launch site: SLC-4E, Vandenberg Space Force Base, California A SpaceX Falcon 9 rocket will launch the second of the two-satellite Sentinel-6 series. NASA awarded SpaceX a $94 million firm fixed price contract for the launch in 2022. The Sentinel-6B “will use a radar altimeter to bounce signals off the ocean surface and deliver continuity of ocean topography measurements,” according to NASA. The missions is designed through a partnership between NASA, the European Space Agency (ESA), and the European Organization for the Exploration of Meteorological Studies. Updated: February 27 TBD 2025 Vulcan Centaur • Dream Chaser 1 Launch time: TBD Launch site: SLC-41, Cape Canaveral Space Force Station, Florida A United Launch Alliance Vulcan Centaur rocket will launch on its second demonstration flight with Sierra Space’s Dream Chaser cargo vehicle for the International Space Station. The Dream Chaser is a lifting body resupply spacecraft that will launch on top of a rocket and land on a runway. This will be the Dream Chaser’s first flight to space. The Vulcan Centaur rocket will fly in the VC4L configuration with four GEM-63XL solid rocket boosters, a long-length payload fairing, and two RL10 engines on the Centaur upper stage. Delayed from August 2022, December 2023, January 2024, April 2024 and September 2024. Updated: May 05 TBD New Glenn • EscaPADE Launch time: TBD Launch site: Launch Complex 36, Cape Canaveral Space Force Station A Blue Origin New Glenn rocket will launch a pair of identical spacecraft on NASA’s Escape and Plasma Acceleration and Dynamics Explorers (EscaPADE) mission. The two satellites, named Blue and Gold, will make a roughly 11-month journey to Mars where they will then perform about an 11-month science mission while orbiting the Red Planet. Blue and Gold were manufactured by Rocket Lab over about 3.5 years and carry science experiments from the University of California, Berkeley. This launch of the New Glenn rocket will also feature a landing attempt on its landing barge in the Atlantic Ocean. Delayed from October 13. Updated: April 26 NET July 5, 2028 Falcon Heavy • Dragonfly Launch time: TBD Launch site: Launch Complex 39A, Kennedy Space Center, Florida A SpaceX Falcon Heavy rocket will launch NASA’s Dragonfly mission, which consists of a rotorcraft designed by the Johns Hopkins Applied Physics Laboratory (APL) that will explore Saturn’s icy moon, Titan. The mission was originally selected in 2019 and went through multiple plan iterations across fiscal years 2020 through 2022. It passed its Preliminary Design Review in March 2023 and then its Critical Design Review in April 2025. The mission has a total lifecycle cost of $3.35 billion, of which, $256.6 million was awarded to SpaceX to provide launch services and other mission related costs. The 20-day launch window opens on July 5, 2028. Updated: April 25 Discover the upcoming Space Launch Schedule, featuring today’s and upcoming launches. Our page offers detailed insights into each mission, including trajectory, crew details, mission objectives, rocket specifications, launch location, and booster landing updates. Watch space launch schedule live video feeds and stay informed about the latest developments.We provide comprehensive information on prime Kennedy Space Center and Vandenberg Space Force Base viewing locations for upcoming launches from Florida and California, ensuring you never miss a moment of the action. Whether it’s a launch happening today, next week, or next month, our page serves as your ultimate destination for all things space. Stay ahead of the curve with essential updates on rocket launches, spacecraft deployments, booster landings, and more. Join us as we embark on an exhilarating journey through space exploration.Fri • Jul 25th, 20255:54 AM UTCVostochny Cosmodrome, Siberia, Russian FederationSat • Jul 26th, 20252:03 AM UTCGuiana Space Centre, French GuianaSat • Jul 26th, 20259:01 AM UTCCape Canaveral SFS, FL, USASun • Jul 27th, 20253:55 AM UTCSun • Jul 27th, 202510:00 AM UTCTaiyuan Satellite Launch Center, People's Republic of ChinaSun • Jul 27th, 20259:30 PM UTCTue • Jul 29th, 20254:10 AM UTCJiuquan Satellite Launch Center, People's Republic of ChinaWed • Jul 30th, 20253:30 AM UTCCape Canaveral SFS, FL, USAWed • Jul 30th, 20257:50 AM UTCWenchang Space Launch Site, People's Republic of ChinaWed • Jul 30th, 202512:10 PM UTCSatish Dhawan Space Centre, IndiaWed • Jul 30th, 20253:39 PM UTCThu • Jul 31st, 20251:45 AM UTCWallops Flight Facility, Virginia, USAThu • Jul 31st, 20252:00 AM UTCXichang Satellite Launch Center, People's Republic of ChinaThu • Jul 31st, 20254:09 PM UTCKennedy Space Center, FL, USASun • Aug 3rd, 20252:05 AM UTCFind the most up-to-date information on upcoming space launches, including dates, times, locations, and mission details. This page is your one-stop shop to stay informed about the exciting world of space launches!To delve into the precise trajectory of the next space> launch, simply click on the corresponding launch above. Our website offers comprehensive insights into upcoming missions, including detailed information on planned trajectories whenever they are available. Dive into the space launch schedule and marvel at the diverse paths these rockets traverse to reach their destinations. Get ready for an awe-inspiring journey through space exploration!Witnessing the breathtaking spectacle of a space launch live is an unforgettable experience! However, scouring the vast online space for the perfect video feed can be daunting. Fear not! Simply click on the launch you’re interested in above, and discover direct links to the top live video feeds available. Prepare to immerse yourself in the exhilarating world of space exploration firsthand.For the most up-to-date source of information, click on the launch above that piques your interest. You’ll discover direct links to the live video feed, offering real-time coverage of the space launch. During the live stream, commentators will promptly announce any delays or scrubs as they unfold. Additionally, these feeds provide insightful commentary throughout the launch process, ensuring you stay engaged and well-informed. Please note that the video feed may have a slight delay. Flight VV27 | CO3D / Microcarb | Vega C I ArianespacePage 2Stay up-to-date on upcoming Falcon 9 rocket launches with our live schedule. You can browse all 109 planned Falcon 9 missions on our website, and you can live stream any Falcon 9 rocket launch happening today.Share with fellow earthlingsAll Scheduled LaunchesSpaceXFalcon 9Falcon 9 Block 5 | Starlink Group 10-26B107822nd flight (42d since last use)Drone Ship (A Shortfall of Gravitas)A batch of 28 satellites for the Starlink mega-constellation - SpaceX's project for space-based Internet communication system.GO! - SpaceX - Falcon 9 - Starlink 10-26 - SLC-40 - Cape Canaveral SFS - Space Affairs Live Set up an email alert for upcoming launchesGet a weekly email containing all launches scheduled for the coming week.Crew-11SpaceXSpaceX Crew-11 is the eleventh crewed operational flight of a Crew Dragon spacecraft to the International Space Station as part of NASA's Commercial Crew Program.Last Update: Tweaked T-0.Dragon CRS-2 SpX-33SpaceX33rd commercial resupply services mission to the International Space Station operated by SpaceX. The flight will be conducted under the second Commercial Resupply Services contract with NASA. Cargo Dragon 2 brings supplies and payloads, including critical materials to directly support science and research investigations that occur onboard the orbiting laboratory.Last Update: Updated launch time.NAOSSpaceXNAOS (National Advanced Optical System) is the space component of Luxembourg's governmental dual-use observation satellite system LUXEOSys (Luxembourg Earth Observation System). Its purpose is to provide high resolution images to national and international governmental and military organizations such as NATO. The 800 kg satellite is built by OHB Italia and is equipped with a very high-resolution optical camera with a ground reolution of 50 cm in an around 450 km high sun-synchronous orbit. It will have a operational life time of 7 years.Last Update: NET 1H 2025.IMAP & othersSpaceXIMAP (Interstellar Mapping and Acceleration Probe) is a NASA mission to study interactions between solar wind and local interstellar medium. Carrying a suite of 10 scientific instruments, IMAP is able to investigate how particles are accelerated, determine their composition, as well as help to advance space weather forecasting models. IMAP launch also includes several secondary payloads from NASA, which are: a small lunar orbiter called Lunar Trailblazer, space weather satellite SWFO-L1, GLIDE mission to study far ultraviolet emission in exosphere and a solar sail mission Solar Cruiser.Last Update: Changed launch pad.Sentinel-6BSpaceXThe Sentinel-6 Michael Freilich (launched November 2020) and Sentinel-6B make up the Sentinel-6 mission, also known as Jason Continuity of Service (Jason-CS), which is a partnership between NASA, NOAA, ESA, and EUMETSAT. This mission continues the long-term global sea surface height data record begun by first Jason satellites in 1992.Last Update: NET November. Refresh 2025-07-26T02:23:35.545Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 10-26When: July 26, 4:34 a.m. EDT (0834 GMT)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX will launch a batch of Starlink internet satellites from Cape Canaveral Space Force Station (CCSFS), in Florida. Liftoff is scheduled for 4:34 a.m. EDT (0834 GMT). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, Starlink 10-26, will launch 28 satellites from CCSFS's Space Launch Complex-40 (SLC-40).This will be the 22nd flight for the Falcon 9 first stage booster, B1078, launching the mission, which is expected to land about 8 minutes after launch on SpaceX's A Shortfall of Gravitas droneship, in the Atlantic Ocean.This will be SpaceX's 93rd launch of 2025. 2025-07-25T18:02:06.879Z Vol VV27 | CO3D / Microcarb | Vega C I Arianespace - YouTube Watch On Who: Arianespace, Vega CWhat: CNES — CO3D & MicroCarbWhen: July 25, 10:03 p.m. EDT (0203 GMT, July 26)Where: LA-1; GSC, French GuianaTo: Sun-synchronous orbitArianespace will launch a Vega C rocket carrying CNES's CO3D & MicroCarb satellites from Europe's Spaceport in Kourou, French Guiana. Liftoff is scheduled for 10:03 p.m. EDT (11:03 p.m. local time in Kourou; 0203 GMT, July 26). You can watch live above, or directly via the company. Coverage will begin at 9:40 p.m. EDT (0140 GMT, July 26).MicroCarb is designed to map global carbon dioxide (CO2) deposits. CO3D (Constellation Optique en 3D) consists of four satellites of an Earth-observation constellation. The payloads will launch into a sun-synchronous orbit. 2025-07-23T11:18:34.271Z (Image credit: University of Iowa/Andy Kale)Who: SpaceX, Falcon 9What: NASA — TRACERSWhen: July 23, 2:13 p.m. EDT (1813 GMT)Where: SLC-4E; VSFB, CaliforniaTo: Low-Earth orbitSpaceX will launch a Falcon 9 rocket with NASA's TRACER satellites from Vandenberg Space Force Base (VSFB), in Calirfornia. Liftoff is set for 2:12 p.m. EDT (1412 GMT). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, TRACERS, will study magnetic reconnection Earth’s atmosphere caused by interaction with passing solar activity, and help researchers better understand and prepare for impacts of solar activity on Earth. Other payloads onboard include SEOPS’ Epic Athena, Skykraft’s Skykraft 4, Maverick Space Systems’ REAL, Tyvak’s LIDE and York Space Systems’ Bard.TRACERS will liftoff from VSFB's Space Launch Complex-4 East (SLC-4E) during a launch window that lasts 57 minutes.This will be the 16th flight for the Falcon 9 first stage booster, B1081, launching the mission. The booster is expected to land about 8 minutes after launch on SpaceX's Landing Zone-4 (LZ-4).This will be SpaceX's 92nd launch of 2025. 2025-07-18T23:14:22.261Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink Group 17-3When: July 18, 11:52 p.m. EDT (0352 GMT, July 19)Where: SLC-4E, Vandenberg Space Force Base, CaliforniaTo: Low Earth orbitSpaceX will launch a batch of Starlink internet satellites from Vandenberg Space Force Base in California on Friday night (July 18), if all goes according to plan. Liftoff is expected during a one-hour window that opens at 11:52 p.m. EDT (0352 GMT, July 19). Watch it live on SpaceX's mission website, as well as on the company's X account, beginning about five minutes before launch.This mission, Starlink 17-3, will launch 24 Starlink satellites from Vandenberg's Space Launch Complex 4 East. If the launch is scrubbed, backup opportunities are available Sunday (July 19), starting at 12:26 a.m. EDT (0426 GMT).This will be the 14th flight for this particular Falcon 9 first-stage booster, which is designated B1082. The booster is expected to land about 8.5 minutes after launch on SpaceX's Of Course I Still Love You droneship, in the Pacific Ocean. 2025-07-15T16:54:20.402Z (Image credit: Space.com / Josh Dinner)Who: SpaceX, Falcon 9What: Project Kuiper (KF-01)When: July 16, 2:30 a.m. EDT (0630 GMT)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX will launch a Falcon 9 rocket with a batch of Project Kuiper internet satellites from Cape Canaveral Space Force Station (CCSFS), in Florida. Liftoff is set for 2:30 a.m. EDT (0630 GMT). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, KF-01, for the first Kuiper launch on a Falcon 9 will launch a stack of 24 satellites from CCSFS's Space Launch Complex-40 (SLC-40).This is the 1st flight for the Falcon 9 first stage booster, B1096, launching the mission. The booster is expected to land about 8 minutes after launch on SpaceX's A Shortfall of Gravitas droneship, in the Atlantic Ocean.This will be SpaceX's 90th launch of 2025.(Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 15-2When: July 15, 10:05 p.m. EDT (0205 GMT, July 16)Where: SLC-4E; VSFB, CaliforniaTo: Low-Earth orbitSpaceX will launch a batch of Starlink internet satellites from Vandenberg Space Force Base (VSFB), in California. Liftoff is set for 10:05 p.m. EDT (0205 GMT, July 16). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, Starlink 15-2, will launch 26 new satellites from CCSFS's Space Launch Complex-4E (SLC-4E), during a launch window available until 10:59 p.m. EDT (0259 GMT, July 16). If the launch is scrubbed, backup opportunities are available Wednesday, July 16, starting at 9:45 p.m. EDT (0145 GMT, July 17).This is the 4th flight for the Falcon 9 first stage booster, B1088, launching the mission. The booster is expected to land about 8 minutes after launch on SpaceX's Of Course I Still Love You droneship, in the Pacific Ocean.Booster 1093 missionsThis will be SpaceX's 89th launch of 2025. 2025-07-14T13:02:33.282Z (Image credit: CASC)Who: CASC, Long March 7What: Tianzhou-9When: July 14, 5:40 p.m. ET (2140 GMT):Where: Pad 201; WSLC, ChinaTo: Tiangong Space Statin in LEOThe China Aerospace Science and Technology Corporation (CASC) is expected to launch a Long March 7 rocket to deliver the Tianzhou-9 space station resupply mission to the Tiangong Space Station in low-Earth orbit (LEO).The rocket is expected to lift off during a launch window that begins at 5:40 p.m. ET (2140 GMT) from from Pad 201, at the Wenchang Space Launch Center (WSLC), in China.SpaceX, Falcon 9: Dror-1 (GTO-1)(Image credit: SpaceX)Who: SpaceX, Falcon 9What: Dror-1 (GTO-1)When: July 13, 1:04 a.m. EDT (0504 GMT)Where: SLC-40; CCSFS, FloridaTo: Geostationary orbitSpaceX will launch the Dror-1 (GTO-1) satellite from Cape Canaveral Space Force Station (CCSFS), in Florida. Liftoff is set for 1:04 a.m. EDT (0504 GMT). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This satellite, Dror-1, was developed by Israel Aerospace Industries (IAI), and is intended to meet the satellite communication needs of Israel for the next 15 years. Liftoff took place out of CCSFS's Space Launch Complex-40 (SLC-40).This is the 13th flight for the Falcon 9 first stage booster, B1083, launching the mission, which is expected to land about 8 minutes after launch on SpaceX's Just Read the Instructions droneship, in the Atlantic Ocean.This will be SpaceX's 88th launch of 2025. 2025-07-11T14:27:48.102Z (Image credit: Rocket Lab via X)Who: Rocket Lab, HASTEWhat: JAKE 4When: July 12, 7:45 p.m. EDT (2345 GMT)Where: LC-2; WFF, VirginiaTo: unknownRocket Lab will launch a HASTE (Hypersonic Accelerator Suborbital Test Electron) rocket from the company's Launch Complex 2, at NASA's Wallops Flight Facility, in Virginia. The payload, JAKE 4, is a classified government payload.This will be Rocket Lab's 11th launch of 2025. 2025-07-08T10:44:41.803Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 10-28When: July 8, 4:21 a.m. EDT (0821 GMT)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX will launch a batch of Starlink internet satellites from Cape Canaveral Space Force Station (CCSFS), in Florida. Liftoff is set for 4:21 a.m. EDT (0821 GMT). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, Starlink 10-28, will launch 28 new satellites from CCSFS's Space Launch Complex-40 (SLC-40).This is the 22nd flight for the Falcon 9 first stage booster, B1077, launching the mission, which is expected to land about 8 minutes after launch on SpaceX's A Shortfall of Gravitas droneship, in the Atlantic Ocean.This will be SpaceX's 87th launch of 2025. 2025-07-01T18:23:03.120Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: MTG-S1When: July 1, 5:04 p.m. EDT (2104 GMT)Where: LC-39A; KSC, FloridaTo: Geostationary orbitSpaceX will launch the Meteosat Third Generation – Sounder 1 (MTG-S1) spacecraft for the European Organization for the Exploration of Meteorological Satellites (EUMETSAT). A Falcon 9 rocket will launch the mission from NASA's Kennedy Space Center (KSC), in Florida. Watch it live on SpaceX's mission website, as well as on their X account, beginning about 15 minutes before launch.MTG-S1 is part of ESA's next-generation weather satellite program that uses infrared and ultraviolet measurements for atmospheric profiling and air quality monitoring. The mission is scheduled to liftoff from Launch Complex-39A (LC-39A), at NASA's Kennedy Space Center (KSC), in Florida, during a 150-minute launch window beginning at 5:04 p.m. EDT (2104 GMT). If the launch is scrubbed, backup opportunities are available Wednesday, July 2, starting the same time as today.This is the 9th flight for the Falcon 9 first stage booster, B1085, launching the mission. The booster is expected to land about 8 minutes after launch on SpaceX's Just Read the Instructions droneship, in the Atlantic Ocean.This will be SpaceX's 85th launch of 2025. 2025-06-28T19:42:39.370Z (Image credit: Blue Origin)Who: Blue Origin, New ShepardWhat: NS-33When: June 29, 10:38 a.m. ET (1438 GMT)Where: Launch Site One, West TexasTo: SuborbitalOur new launch window opens at 9:38 AM CDT / 14:38 UTC. We’re continuing to evaluate the cloud cover and winds. The NS-33 webcast will begin 30 minutes before liftoff on 29, 2025Blue Origin will launch its New Shepard rocket to carry a private crew of six on a suborbital flight to the edge of space. The mission, NS-33, is set to lift off from Blue Origin's Launch Site One, in West Texas, with a targeted liftoff time of 10:38 a.m. ET (1438 GMT).NS-33 is the 13th crewed launch for Blue Origin, and 33rd New Shepard flight. After liftoff and capsule separation, the New Shepard booster will perform a landing a couple miles downrange of its launch site.The crew includes Allie and Carl Kuehner, Leland Larson, Freddie Rescigno, Jr., Owolabi Salis, and James Sitkin.NS-33 will be streamed on Blue Origin's website 30 minutes before liftoff, and simulcast on YouTube and the Blue Origin X account. 2025-06-28T16:46:17.170Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 15-7When: June 28, 1:13 a.m. EDT (1713 GMT)Where: SLC-4E; VSFB, CaliforniaTo: Low-Earth orbitSpaceX will launch a batch of Starlink internet satellites from Vandenberg Space Force Base (VSFB), in California. Liftoff is set for 1:13 a.m. EDT (1713 GMT). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, Starlink 15-7, will launch 26 new satellites from CCSFS's Space Launch Complex-4E (SLC-4E), during a launch window available until 1:46 p.m. EDT (1746 GMT). If the launch is scrubbed, backup opportunities are available Sunday, June 29, starting at 12:47 p.m. EDT (1647 GMT).This is the 8th flight for the Falcon 9 first stage booster, B1088, launching the mission. The booster is expected to land about 8 minutes after launch on SpaceX's Of Course I Still Love You droneship, in the Pacific Ocean.This will be SpaceX's 84th launch of 2025. 2025-06-28T12:57:58.508Z (Image credit: JAXA)Who: JAXA, H-2AWhat: GOSAT-GWWhen: June 28, 12:33 p.m. EDT (1633 GMT)Where: LP-1; TSC, JapanTo: Low-Earth sun-synchronous polar orbitThe Japan Aerospace Exploration Agency (JAXA) is targeting Saturday, June 28, for the 50th and final launch of its H-2A rocket, which will take the GOSAT-GW satellite to space. The mission will lift off from Yoshinobu Launch Complex (LP-1) at the Tenegashima Space Center (TSC) in Japan during a 20-minute launch window beginning at 12:33 p.m. EDT (1633 GMT; 1:33 a.m. June 29, local time in Japan).GOSAT-GW will be delivered to a low-Earth, sun-synchronous polar orbit at an altitude of 415 miles (665 kilometers). The satellite is designed as a dual-purpose climate observation spacecraft, which will measure changes in water cycles ang sea surface temperatures, and monitor greenhouse gases in Earth's atmosphere.Read more: Japan targeting June 28 for launch of GOSAT-GW on 50th and final liftoff of the H-2A rocket 温室効果ガス・水循環観測技術衛星（GOSAT-GW）ノ H-IIAロケット50号機打上げライブ中継 - YouTube Watch On Rocket Lab, Electron: Symphony In The Stars (Image credit: Rocket Lab)Who: Rocket Lab, ElectronWhat: Symphony In The StarsWhen: June 28, 2:45 a.m. EDT (0645 GMT)Where: Launch Complex 1, New ZealandTo: 400-mile (650-kilometer) circular orbitRocket Lab will launch an Electron rocket carrying The Symphony In The Stars mission will launch the first of two spacecraft for an undisclosed commercial customer. The satellite will be delivered to a circular orbit at an altitude of 400 miles (650 kilometers). Liftoff is scheduled for 2:45 a.m. EDT (0645 GMT; 6:45 p.m. local New Zealand time). from the company's Launch Complex 1 in Mahia, New Zealand. Watch it live on Rocket Lab's mission website, starting around 30 minutes before launch.Read more: Watch Rocket Lab launch Symphony of the Stars mission overnight tonight after delay 2025-06-27T20:47:33.889Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 10-34When: June 28, 12:26 a.m. EDT (0426 GMT)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX will launch its a batch of Starlink internet satellites from Cape Canaveral Space Force Station (CCSFS), in Florida. Liftoff is set for 12:26 a.m. EDT (0426 GMT). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, Starlink 10-34, will launch 28 new satellites from CCSFS's Space Launch Complex-40 (SLC-40). Liftoff will occur during a launch window that lasts until 3:57 a.m. EDT (0757 GMT) from CCSFS's Space Launch Complex-40 (SLC-40). A backup opportunity for this launch is available Sunday, June 29, beginning at 12:04 a.m. EDT (0404 GMT).This is the 5th flight for the Falcon 9 first stage booster, B1092, launching the mission, which is expected to land about 8 minutes after launch on SpaceX's A Shortfall of Gravitas droneship, in the Atlantic Ocean.Booster 1092 missionsThis will be SpaceX's 83rd launch of 2025. 2025-06-26T12:01:22.366Z (Image credit: Rocket Lab)Who: Rocket Lab, ElectronWhat: Get the Hawk Outta HereWhen: June 26, 1:28 p.m. EDT (1728 GMT)Where: Launch Complex 1, New ZealandTo: 320 mile (520 km) Polar LEORocket Lab will launch an Electron rocket carrying the Get the Hawk Outta Here mission will launch a quartet of satellites for HawkEye 360: a trio of microsats to collect and geolocate radio frequency signals, and Kestrel-0A, an experimental satellite designed to "evaluate emerging capabilities and future technology enhancements.". The satellites will be delivered to a low-Earth polar orbit.Liftoff is scheduled for 1:28 p.m. EDT (1728 GMT; 5:28 a.m. local New Zealand time on June 27) from the company's Launch Complex 1 in Mahia, New Zealand. Watch it live on Rocket Lab's mission website, starting around 30 minutes before launch. 2025-06-25T12:22:35.162Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 10-16When: June 25, 3:54 p.m. EDT (1954 GMT)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX will launch its a batch of Starlink internet satellites from Cape Canaveral Space Force Station (CCSFS), in Florida. Liftoff is set for 3:54 p.m. EDT (1954 GMT). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, Starlink 10-18, will launch 25 new satellites from CCSFS's Space Launch Complex-40 (SLC-40). Liftoff will occur during a launch window that lasts until 4:32 p.m. EDT (2032 GMT) from CCSFS's Space Launch Complex-40 (SLC-40). A backup opportunity for this launch is available Thursday, June 26, at 12:11 p.m. EDT (11611 GMT).This is the 20th flight for the Falcon 9 first stage booster, B1090, launching the mission, which is expected to land about 8 minutes after launch on SpaceX's Just Read the Instructions droneship, in the Atlantic Ocean.This will be SpaceX's 82nd launch of 2025.SpaceX, Falcon 9: Axiom-4(Image credit: Space.com / Josh Dinner)Who: SpaceX, Falcon 9What: Ax-4When: June 25, 2:31 a.m. EDT (0631 GMT)Where: LC-39A; KSC, FloridaTo: ISSSpaceX will launch a brand new Crew Dragon spacecraft carrying four astronauts on Axiom Space's Ax-4 mission. Liftoff is set for 12:39 p.m. EDT (1639 GMT), from NASA's Kennedy Space Center (KSC), in Florida.Ax-4 is commanded by former NASA astronaut Peggy Whitson, who is currently Axiom's director of human spaceflight. She's joined on the mission by pilot Shubhanshu Shukla and mission specialists Sławosz Uznański-Wiśniewski and Tibor Kapu.This is the 2nd flight for the Falcon 9 first stage booster, B1094, launching the mission, which is expected to land about 8 minutes after launch on SpaceX's Landing Zone-1, downrange of the launchpad.This will be SpaceX's 81st launch of 2025. 2025-06-23T23:53:32.775Z (Image credit: Rocket Lab)We’re standing down from today’s Electron launch attempt to allow time for additional checkouts. A new launch date for the ‘Symphony In The Stars’ mission will be shared once those operations are complete. pic.twitter.com/RdxyuAPqblJune 24, 2025Who: Rocket Lab, ElectronWhat: Symphony In The StarsWhen: TBDWhere: Launch Complex 1, New ZealandTo: 400-mile (650-kilometer) circular orbitUPDATE: LAUNCH SCRUBBEDRocket Lab will launch an Electron rocket carrying The Symphony In The Stars mission will launch the first of two spacecraft for an undisclosed commercial customer. The satellite will be delivered to a circular orbit at an altitude of 400 miles (650 kilometers). Liftoff is scheduled for 3:00 a.m. EDT (0700 GMT, 7:00 p.m. local time) from the company's Launch Complex 1 in Mahia, New Zealand. Watch it live on Rocket Lab's mission website, starting around 30 minutes before launch. 2025-06-23T18:49:39.804Z (Image credit: Space.com / Josh Dinner)Who: SpaceX, Falcon 9What: Transporter-14When: June 18, 1:55 a.m. EDT (0555 GMT)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX will launch the Transporter-14 mission from Vandenberg Space Force Base (VSFB), in California. The mission will lift

Long March 3C/E is a medium-range rocket capable of launching payloads into a geostationary transfer orbit. 2025-05-09T13:04:11.550Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 15-3When: May 9, 8:03 p.m. ET (0003 GMT, May 10)Where: SLC-4E; VSFB, CaliforniaTo: Low-Earth orbitSpaceX will launch a batch of Starlink internet satellites from Vandenberg Space Force Base (VSFB), in California. Liftoff is set for 8:03 p.m. ET (0003 GMT, May 10). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, Starlink 15-3, will launch 26 new satellites from CCSFS's Space Launch Complex-4E (SLC-4E), during a launch window available until 10:21 p.m. ET (0221 GMT, May 10). If the launch is scrubbed, backup opportunities are available Saturday, starting at 8:00 p.m. ET (0000 GMT, May 11).This is the 14th flight for the Falcon 9 first stage booster, B1081, launching the mission. B1081 is expected to land about 8 minutes after launch on SpaceX's Of Course I Still Love You droneship, in the Pacific Ocean. This will be SpaceX's 56th launch of 2025. 2025-05-06T13:54:01.627Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 6-93When: May 6, 8:22 p.m. EDT (0022 GMT, May 7)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX will launch its a batch of Starlink internet satellites from Cape Canaveral Space Force Station (CCSFS), in Florida. Liftoff is set for 8:22 p.m. EDT (0022 GMT, May 7). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, Starlink 6-93, will launch 28 new satellites from CCSFS's Space Launch Complex-40 (SLC-40), during a launch window available until 12:22 a.m. ET (0422 GMT), Wednesday. If the launch is scrubbed, backup opportunities are available again Wednesday, starting 7:30 p.m. ET (2330 GMT).This is the 7th flight for the Falcon 9 first stage booster, B1085, launching the mission, which is expected to land about 8 minutes after launch on SpaceX's Just Read the Instructions droneship, in the Atlantic Ocean.This will be SpaceX's 55th launch of 2025. 2025-05-01T13:06:17.632Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 6-75When: May 1, 9:51 p.m. EDT (0151 GMT, May 2)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX will launch its a batch of Starlink internet satellites from Cape Canaveral Space Force Station (CCSFS), in Florida. Liftoff is set for 9:51 p.m. EDT (0151 GMT, May 2). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, Starlink 6-75, will launch 28 new satellites from CCSFS's Space Launch Complex-40 (SLC-40), during a launch window available until 1:51 a.m. ET (0551 GMT), Friday. If the launch is scrubbed, backup opportunities are available again Friday, starting 9:25 p.m. ET (0125 GMT, May 3).This is the 18th flight for the Falcon 9 first stage booster, B1080, launching the mission, which is expected to land about 8 minutes after launch on SpaceX's Just Read the Instructions droneship, in the Atlantic Ocean.This will be SpaceX's 53rd launch of 2025. 2025-04-29T09:40:23.169Z (Image credit: Firefly Aerospace)Who: Firefly, AlphaWhat: FLTA006, Message in a BoosterWhen: April 29, 9:37 a.m. ET (1337 GMT)Where: SLC-2; VSFB, CaliforniaTo: Low-Earth orbitFirefly Aerospace will launch the FLTA006 Message in a Booster mission from Vandenberg Space Force Base (VSFB), in California. Liftoff is set for 9:37 a.m. ET (1337 GMT) from Space Launch Complex-2 (SLC-2). Firefly will stream the launch live beginning at 9 a.m. (1300 GMT), which will be available on Space.com.Message in a Booster," will send the LM 400 satellite technology demonstrator to low Earth orbit (LEO) for Lockheed Martin. It will be the first of up to 25 launches that Firefly conducts for the aerospace giant over the next five years under an agreement announced last year.Firefly Aerospace's Alpha rocket launching for 6th time ever April 29: Watch it live 2025-04-29T02:45:43.774Z (Image credit: ESA)Who: ESA, Vega-CWhat: Biomass VV26When: April 29, 5:15 a.m. EDT (0915 GMT)Where: ELV; Guiana Space Centre, French GuianaTo: 415-mile (666 km) sun-synchronous orbitArianespace will launch a Vega-C rocket the Biomass VV26 mission from the Centre Spatial Guyanais (Guiana Space Centre), in French Guiana. The mission, for the European Space Agency (ESA), will liftoff from Ensemble de Lancement Vega (ELV) pad during a launch window beginning at 5:15 a.m. EDT (0915 GMT; 6:15 a.m. local time in Kourou).You can watch the launch live here at Space.com courtesy of the French company Arianespace, which operates the Vega-C. Arianespace's stream will begin at 4:55 a.m. EDT (0855 GMT). 2025-04-28T23:23:14.596Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 12-10When: April 28, 10:34 p.m. ET (0151 GMT, April 29)Where: LC-39A; KSC, FloridaTo: Low-Earth orbitSpaceX will launch a batch of Starlink internet satellites from NASA's Kennedy Space Center (KSC), in Florida. Liftoff is set for 10:34 p.m. ET (0151 GMT, April 29). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, Starlink 12-10, will launch 23 new satellites, including 13 with Direct to Cell capabilities, from KSC's Launch Complex-39A (LC-39A), during a launch window available until 1:31 a.m. ET (0531 GMT), April 29. If the launch is scrubbed, backup opportunities are available Tuesday, starting at 9:13 p.m. ET (0013 GMT).This is the first flight for the Falcon 9 first stage booster launching the mission, which is expected to land about 8 minutes after launch on SpaceX's A Shortfall of Gravitas droneship, in the Atlantic Ocean.This will be SpaceX's 52nd launch of 2025. 2025-04-28T21:09:34.997Z (Image credit: United Launch Alliance)Who: ULA, Atlas V 551What: KA-01When: April 28, 7:00 p.m. ET (2300 GMT)Where: SLC-41; CCSFS, FloridaTo: Low-Earth orbitUnited Launch Alliance (ULA) will launch an Atlas V 551 rocket with a payload of 27 Project Kuiper satellites. The mission, KA-01, will liftoff from Space Launch Complex-41 (SLC-41) at Cape Canaveral Space Force Station (CCSFS) today during a two-hour window that opens at 7 p.m. EDT (2300 GMT).You can watch the liftoff live here at Space.com courtesy of ULA, or directly via the company. Coverage will start at 6:27 p.m. EDT (2235 GMT).Read more: Watch Atlas V rocket launch 1st big batch of Amazon's Project Kuiper internet satellites today 2025-04-28T20:33:27.230Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 11-9When: April 28, 4:42 p.m. ET (1642 GMT)Where: SLC-4E; VSFB, CaliforniaTo: Low-Earth orbitSpaceX will launch a batch of Starlink internet satellites from Vandenberg Space Force Base (VSFB), in California. Liftoff is set for 4:42 p.m. ET (1642 GMT). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, Starlink 11-9, will launch 27 new satellites from CCSFS's Space Launch Complex-4E (SLC-4E), during a launch window available until 8:25 p.m. ET (0025 GMT, April 29). If the launch is scrubbed, backup opportunities are available Tuesday, starting at 4:11 p.m. ET (2011 GMT).This is the 25th flight for the Falcon 9 first stage booster, B1063, launching the mission. B1063 is expected to land about 8 minutes after launch on SpaceX's Of Course I Still Love You droneship, in the Atlantic Ocean.This will be SpaceX's 51st launch of 2025. 2025-04-28T14:25:18.437Z (Image credit: Chinese Academy of Launch Vehicle Technology)Who: CASC, Long March 5BWhat: SatNet GroupWhen: April 27, 4:05 p.m. EDT (2005 GMT)Where: Pad 101; WSLC, ChinaTo: LEOThe China Aerospace Science and Technology Corporation (CASC) is expected to launch a Long March 5B rocket to deliver a group of SatNet communication satellites into low-Earth orbit (LEO).The rocket is expected to lift off during a launch window that begins at 4:05 p.m. EDT (2005 GMT) from from Pad 101, at the Wenchang Space Launch Center (WSLC), in China.Long March 5B/YZ-2 is a heavy lift rocket and the first Chinese launch vehicle designed to use exclusively non-hypergolic propellants. China plans for its SatNet broadband megaconstellation to grow to nearly 13,000 spacecraft. 2025-04-28T12:12:23.161Z (Image credit: Firefly Aerospace)Who: Firefly, AlphaWhat: FLTA006, Message in a BoosterWhen: April 28, 9:37 a.m. ET (1337 GMT)Where: SLC-2; VSFB, CaliforniaTo: Low-Earth orbitFirefly Aerospace will launch the FLTA006 Message in a Booster mission from Vandenberg Space Force Base (VSFB), in California. Liftoff is set for 9:37 a.m. ET (1337 GMT) from Space Launch Complex-2 (SLC-2). Firefly will stream the launch live beginning at 8:47 a.m., which will be available on Space.com.Message in a Booster," will send the LM 400 satellite technology demonstrator to low Earth orbit (LEO) for Lockheed Martin. It will be the first of up to 25 launches that Firefly conducts for the aerospace giant over the next five years under an agreement announced last year.Firefly Aerospace's Alpha rocket launching for 6th time ever April 28: Watch it liveApril 28 Upcoming Launches:4:05 p.m. ET (2005 GMT): CASC, Long March 5B — SatNet4:37 p.m. ET (2037 GMT): SpaceX, Falcon — Starlink 11-97:00 p.m. ET (2300 GMT): ULA, Atlas V — Project Kuiper KA-019:51 p.m. ET (0151 GMT, April 29): SpaceX, Falcon — Starlink 12-10 2025-04-24T13:11:13.756Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 6-74When: April 24, 9:52 p.m. ET (0152 GMT, April 25)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX will launch a batch of Starlink internet satellites from Cape Canaveral Space Force Station (CCSFS), in Florida. Liftoff is set for 9:52 p.m. ET (0152 GMT, April 25). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, Starlink 6-74, will launch 28 new satellites from CCSFS's Space Launch Complex-40 (SLC-40), during a launch window available until 1:28 a.m. ET (0528 GMT), April 25. If the launch is scrubbed, backup opportunities are available again Friday, starting at 9:55 p.m. ET (0155 GMT, April 26).This is the 23rd flight for the Falcon 9 first stage booster, B1069, launching the mission. B1069 is expected to land about 8 minutes after launch on SpaceX's A Shortfall of Gravitas droneship, in the Atlantic Ocean.This will be SpaceX's 49th launch of 2025. 2025-04-23T21:00:10.896Z China rolls out the Long March 2F rocket and crew capsule for the Shenzhou 20 astronaut mission on April 16, 2025. (Image credit: CCTV)Who: CASC, Long March 2FWhat: Shenzhou 20When: April 24, 5:17 a.m. ET (0917 GMT)Where: SLS-1, LA-4; JSLC, ChinaTo: Tiangong space stationChina Aerospace Science and Technology Corporation is will launch a Long March 2F rocket on the Shenzhou 20 mission to carry Chinese taikonauts Chen Dong, Chen Zhongrui and Wang Jiea. Liftoff is scheduled for April 24, 5:17 a.m. ET (0917 GMT; 5:17 p.m. Beijing time), from Space Launch Site 1 (SLS-1), located in Launch Area-4 (LA-4), at the Jiuquan Satellite Launch Center (JSLC), in China.A livestream of the launch will be available here and on the Space.com homepage. Replay! China's Shenzhou 20 crew launches to Tiangong - Full Broadcast - YouTube Watch On 2025-04-21T12:23:13.684Z (Image credit: Space.com / Josh Dinner)Who: SpaceX, Falcon 9What: Bandwagon-3When: April 21, 8:48 p.m. ET (0148 GMT, April 22)Where: SLC-40; CCSFS, FloridaTo: mid-inclination low-Earth orbitSpaceX is will launch a Falcon 9 rocket on the Bandwagon-3 mission to carry a satellites for ADD’s 425Sat-3, Tomorrow Companies Inc.’s Tomorrow-S7, and Atmos Space Cargo’s PHOENIX re-entry capsule. Liftoff is scheduled for April 21, 8:48 p.m. ET (0148 GMT, April 22), from Space Launch Complex-40 (SLC-40), at the Cape Canaveral Space Force Station (CCSFS), in Florida..This will be the third of the Falcon 9 booster launching this mission, B1090, which previously flew O3b mPOWER-E and Crew-10. The booster is expected to land about 8 minutes after launch at Landing Zone-2 at Cape Canaveral Space Force Station, about two miles downrange of LC-39A.If needed, a backup opportunity is available on Tuesday, April 22, at 8:26 p.m. EDT (0126 GMT, April 22).A livestream of the launch will be available on SpaceX's Bandwagon-3 mission website, as well as on their X account, beginning about 15 minutes before launch.Booster 1090 missionsThis will be SpaceX's 48th launch of 2025. 2025-04-21T01:42:23.377Z (Image credit: NASA/Kim Shiflett)Who: SpaceX, Falcon 9What: CRS-32When: April 21, 4:15 a.m. EDT (0815 GMT)Where: LC-39A. KSC; FloridaTo: International Space StationSpaceX is will launch a Falcon 9 rocket on the CRS-32 mission to carry a cargo to the International Space station (ISS) for NASA. CRS-32 is the 32 commercial resupply mission SpaceX will launch for NASA, with liftoff is scheduled for April 21, at 4:15 a.m. EDT (0815 GMT), from Launch Complex-39A (LC-39A), at the Kennedy Space Center, in Florida..This will be the fifth flight for the Cargo Dragon spacecraft flying this mission, which previously supported CRS-22, CRS-24, CRS-27 and CRS-30. This is the third flight of the Falcon 9 booster launching this mission, B1067, which previously flew NROL-69 and Starlink 12-13. The booster is expected to land about 7.5 minutes after launch at Landing Zone-1 at Cape Canaveral Space Force Station, about two miles downrange of LC-39A. If needed, a backup opportunity is available on Tuesday, April 22, at 3:53 a.m. EDT (0753 GMT).A livestream of the launch will be available on Space.com, courtesy of NASA, or directly via the agency. Coverage will begin at 3:55 a.m. EDT (0755 GMT).Booster 1067 missionsThis will be SpaceX's 47th launch of 2025. 2025-04-19T23:54:29.309Z (Image credit: Space.com/ Josh Dinner)Who: SpaceX, Falcon 9What: NROL-145When: April 20, 8:29 a.m. EDT (1229 GMT)Where: SLC-4E. VSFB; CaliforniaTo: unknown orbitSpaceX is poised to launch a Falcon 9 rocket on the NROL-145 mission to carry a classified payload for the U.S. National Reconnaissance Office (NRO). NROL-145 will launch from California's Vandenberg Space Force Base (VSFB), with liftoff set for no earlier than April 20, at 8:29 a.m. EDT (1229 GMT; 5:29 a.m. PDT, local time).This will be the 12th flight for the booster launching this mission, B1082, which has previously supported nine Starlink launches. The booster is expected to land about 8 minutes after launch on SpaceX's Of Course I Still Love you droneship, in the Pacific Ocean. If needed, a backup opportunity is available on Monday, April 21, starting at 8:08 a.m. EDT (1208 GMT; 5:08 a.m. PDT, local time).A livestream of the launch will be available on SpaceX's NROL-192 website, as well as on its X account, starting about ten minutes before launch.Booster 1082missionsUSSF-62 | OneWeb Launch 20 | 9 Starlink missionsThis will be SpaceX's 46rd launch of 2025. 2025-04-18T17:31:55.178Z (Image credit: INPE)Who: CASC, Long March 4BWhat: unknown payloadWhen: April 18, 6:55 p.m. ET (2255 GMT)Where: LC-9; TSLC, ChinaTo: unknown orbitThe China Aerospace Science and Technology Corporation (CASC) is expected to launch a Long March 4B rocket to deliver an unknown satellite payload into orbit.The rocket is expected to lift off during a launch window that begins at 6:55 p.m. EDT (2255 GMT) from from Launch Complex-9 (LC-9), at the Taiyuan Satellite Launch Center (TSLC), in China, according to press reports.China is also preparing to launch a Long March 2F rocket next week, with the three astronauts of the Shenzhou 20 crew to the Tiangong Space Station. That mission is expected to launch by April 24. 2025-04-16T12:52:23.223Z A Minotaur IV rocket stands beside Space Launch Complex-8 Wednesday, Aug. 3, 2011. (Image credit: U.S. Air Force photo/Staff Sgt. Scottie McCord)Who: NG, Minotaur IVWhat: NROL-174When: April 16, 3:33 p.m. ET (1933 GMT)Where: SLC-8; VSFB, CaliforniaTo: unknown orbitNorthrop Grumman Space Systems will launch a batch of classified payloads from Vandenberg Space Force Base (VSFB), in California. Liftoff is set for 3:33 p.m. ET (1933 GMT).The mission, NROL-174, will launch on a Minotaur IV rocket from CCSFS's Space Launch Complex-8 (SLC-8), during a launch window available until 5:26 p.m. ET (2126 GMT).The Minotaur IV stands 78 feet (24 meters) tall and consists of four stages. The lower three stages are powered by solid rocket motors sourced from decommissioned Peacekeeper intercontinental ballistic missiles. The fourth stage features Northrop Grumman's Orion 38 motor. 2025-04-14T11:00:22.276Z (Image credit: Blue Origin)Who: Blue Origin, New ShepardWhat: NS-31When: April 14, 9:30 a.m. ET (1330 GMT)Where: Launch Site One, West TexasTo: SuborbitalBlue Origin will launch its New Shepard rocket to carry the first all-female crew since the first woman to fly to space, since the Soviet Union's Valentina Tereshkova flew her solo mission to space in 1963. The mission, NS-31, is set to lift off from Blue Origin's Launch Site One, in West Texas, at 9:30 a.m. ET (1330 GMT).NS-31 is the 11th crewed launch for Blue Origin, and 31st New Shepard flight. After liftoff and capsule separation, the New Shepard booster will perform a landing a couple miles downrange of its launch site.Aboard, pop star Katy Perry, "CBS Mornings" co-host Gayle King, author and bioastronautics research scientist Amanda Nguyen, STEMBoard CEO and former NASA rocket scientist Aisha Bowe, film producer Kerianne Flynn and mission leader Lauren Sánchez, partner of Blue Origin founder Jeff Bezos.NS-31 will be streamed on Blue Origin's website 90 minutes before liftoff, and it will be simulcast on YouTube and the Blue Origin X account. The broadcast will also be carried at the top of this page as well as the Space.com homepage and YouTube channel. 2025-04-13T17:13:40.868Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 6-73When: April 14, 12:00 a.m. ET (0400 GMT)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX will launch its a batch of Starlink internet satellites from Cape Canaveral Space Force Station (CCSFS), in Florida. Liftoff is set for 12:00 a.m. ET (0400 GMT). Watch it live on SpaceX's mission website, as well as on their X account, beginning about five minutes before launch.This mission, Starlink 6-73, will launch 27 new satellites from CCSFS's Space Launch Complex-40 (SLC-40), during a launch window available until 1:59 a.m. ET (0559 GMT). If the launch is scrubbed, backup opportunities are available again Monday, starting 9:33 p.m. ET (0133 GMT, April 15).This is the 27th flight for the Falcon 9 first stage booster, B1067, launching the mission — a new record for SpaceX's Falcon 9 fleet. B1067 is expected to land about 8 minutes after launch on SpaceX's Just Read the Instructions droneship, in the Atlantic Ocean.This will be SpaceX's 45th launch of 2025. 2025-04-12T14:21:42.933Z (Image credit: Space.com / Josh Dinner)Who: SpaceX, Falcon 9What: Starlink 12-17When: April 12, 8:53 p.m. ET (0053 GMT, April 13)Where: LC-39A; KSC, FloridaTo: Low-Earth orbitSpaceX is poised to launch its next batch of Starlink internet satellites tonight from NASA's Kennedy Space Center (KSC), in Florida. Liftoff is set for 8:53 p.m. ET (0053 GMT, April 13). You'll be able to watch it live on SpaceX's mission website, as well as on its X account, starting about five minutes before launch.The mission, Starlink 12-17, will launch 21 new satellites, including 13 with Direct to Cell capabilities, from KSC's Launch Complex-39A (SLC-4E), during a launch window available until Sunday, April 13 at 12:42 a.m. ET (0442 GMT). If the launch is scrubbed, backup opportunities are available again Sunday, starting 8:20 p.m. ET (0020 GMT, April 14).This is the tenth flight for the Falcon 9 first stage booster, B1083, which is expected to land about 8 minutes after launch on SpaceX's A Shortfall of Gravitas droneship, in the Atlantic Ocean.This will be SpaceX's 44th launch of 2025. 2025-04-12T12:03:33.881Z (Image credit: Space.com/ Josh Dinner)Who: SpaceX, Falcon 9What: NROL-192When: April, 8:25 a.m. EDT (1225 GMT)Where: SLC-4E. VSFB; CaliforniaTo: unknown orbitSpaceX is poised to launch a Falcon 9 rocket with a classified payload for the U.S. National Reconnaissance Office (NRO) overnight, from California's Vandenberg Space Force Base (VSFB), with liftoff set for no earlier than April 12, at 8:25 a.m. EDT (1225 GMT; 5:25 a.m. PDT, local time).This will be the 24th flight for the booster launching this mission, B1071, which has prevously supported 14 Starlink launches. The booster is expected to land about 8 minutes after launch on SpaceX's Of Course I Still Love you droneship, in the Pacific Ocean. If needed, a backup opportunity is available on Sunday, April 13, starting at 8:09 a.m. EDT (1209 GMT; 5:09 a.m. PDT, local time).A livestream of the launch will be available on SpaceX's NROL-192 website, as well as on its X account, starting about ten minutes before launch.This will be SpaceX's 43rd launch of 2025. 2025-04-10T13:07:47.156Z (Image credit: Jiang Hongjing/Xinhua/Zuma)Who: CASC, Long March 3B/EWhat: unknown payloadWhen: April 10, 12:45 p.m. ET (0445 GMT)Where: LC-3; XSLC, ChinaTo: unknown orbitThe China Aerospace Science and Technology Corporation (CASC) is expected to launch an unknown payload on a Long March 3B/E rocket. The mission will liftoff from Launch Complex-3 (LC-3), at the Xichang Satellite Launch Center (XSLC), in China. The Long March 3B/E is a medium-range rocket capable of launching payloads into a geostationary transfer orbit. 2025-04-10T00:49:18.909Z SCRUB! The United Launch Alliance is standing down from today's attempted Amazon Kuiper internet satellite launch due to bad weather.Bad weather plagued the launch attempt throughout its two-hour liftoff window. The chief concern was thick rain clouds within 10 miles of the pad, which violated weather rules for the launch, ULA officials said.A new launch date has not been announced so watch this space for updates. 2025-04-10T00:22:49.581Z The United Launch Alliance has now reset the launch time for tonight's Kuiper 1 satellite mission is set for 8:59 p.m. EDT (0059 GMT). That is the end of ULA's launch window for tonight. Bad weather due to thick clouds and rain too close the launch pad have been causing delays since 7 pm ET.There is only a 20% chance of good launch conditions, officials said. 2025-04-10T00:20:20.898Z (Image credit: United Launch Alliance)The launch of Amazon's first Kuiper internet satellites tonight is now targeted for 8:39 p.m. EDT (0039 GMT) due to bad weather. Live views of the rocket are available above. ULA and Amazon have until 9 p.m. EDT (0200 April 10) to launch the mission from Cape Canaveral Space Force Station, Florida.You can watch the launch live on our preview story, or in the window at the top of this page. 2025-04-09T13:14:37.153Z (Image credit: United Launch Alliance)Who: ULA, Atlas V 551What: KA-01When: April 9, 7:00 p.m. ET (2300 GMT)Where: SLC-41; CCSFS, FloridaTo: Low-Earth orbitUnited Launch Alliance (ULA) will launch an Atlas V 551 rocket with a payload of 27 Project Kuiper satellites. The mission, KA-01, will liftoff from Space Launch Complex-41 (SLC-41) at Cape Canaveral Space Force Station (CCSFS) today during a two-hour window that opens at 7 p.m. EDT (2300 GMT).You can watch the liftoff live here at Space.com courtesy of ULA, or directly via the company. Coverage will start at 6:35 p.m. EDT (2235 GMT).Read more: Watch Atlas V rocket launch 1st big batch of Amazon's Project Kuiper internet satellites today April 9 Broadcast: Atlas V Kuiper 1 - YouTube Watch On 2025-04-07T23:20:32.415Z Who: Roscosmos, Soyuz 2.1AWhat: MS-27When: April 8, 1:47 a.m. ET (0647 GMT)Where: Pad 6; Baikonur Cosmodrome, KazakhstanTo: International Space StationThe crew of the Soyuz MS-27 spacecraft, from left to right: NASA astronaut Jonny Kim and Roscosmos cosmonauts Sergey Ryzhikov and Alexey Zubritsky. (Image credit: Gagarin Cosmonaut Training Center)The Russian space agency, Roscosmos, will launch a Soyuz rocket from Pad no. 6 at Baikonur Cosmodrome, in Kazakhstan on Tuesday at 1:47 a.m. EDT (0557 GMT; 10:47 a.m. local time in Kazakhstan), sending NASA astronaut Jonny Kim and cosmonauts Sergey Ryzhikov and Alexey Zubritsky to the International Space Station (ISS). The launch will be livestreamed below, on the Space.com homepage, and directly on NASA's website. Coverage will begin at 12:45 a.m. EDT (0445 GMT) on Tuesday.Read more: Watch Soyuz rocket launch new US-Russian crew to the ISS early April 8 NASA Astronaut Jonny Kim Soyuz MS-27 Launch - YouTube Watch On 2025-04-07T12:19:22.230Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 11-11When: April 7, 7:06 p.m. ET (2306 GMT)Where: SLC-4E; VSFB, CaliforniaTo: Low-Earth orbitSpaceX is poised to launch its next batch of Starlink internet satellites tonight from Vandenberg Space Force Base (VSFB), in California. Liftoff is set for 7:06 p.m. ET (2306 GMT). You'll be able to watch it live on SpaceX's mission website, as well as on its X account, starting about five minutes before launch.The mission, Starlink 11-11, will launch 27 new satellites from VSFB's Space Launch Complex-4E (SLC-4E), during a launch window available until 9:35 p.m. ET (0135 GMT, April 8). If for any reason tonight's launch is scrubbed, backup opportunities are available Tuesday, April 8, starting 5:13 p.m. ET (2113 GMT).The Falcon 9 rocket launching the Starlink mission is making its first flight, a rare new booster in SpaceX's reusable fleet, possibly B1091, which is expected to land about 8 minutes after launch, on SpaceX's Of Course I Still Love You droneship, in the Pacific Ocean.Booster 1091 missionsThis will be SpaceX's 42nd launch of 2025. 2025-04-05T13:23:18.706Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 6-72When: April 5, 10:40 p.m. ET (0240 GMT, April 6)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX is poised to launch its next Starlink internet satellite fleet tonight from Cape Canaveral Space Force Station (CCSFS), in Florida. Liftoff is set for 10:40 p.m. ET (0240 GMT, April 6). The launch will be livestreamed on SpaceX's mission website, as well as on its X account, starting about five minutes before launch.The mission, Starlink 6-72, will launch 28 new satellites from CCSFS's Space Launch Complex-40 (SLC-40), during a launch window available until Sunday, April 6 at 2:40 a.m. ET (0640 GMT). If tonight's launch is scrubbed, backup opportunities are available Sunday, starting at 10:14 p.m. ET (0214 GMT).This is the 19th flight for the Falcon 9 first stage booster, B1078, which is expected to land about 8 minutes after launch, on SpaceX's Just Read the Instructions droneship, in the Atlantic Ocean.This will be SpaceX's 39th launch of 2025. 2025-04-03T13:09:12.916Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 11-13When: April 3, 6:54 p.m. ET (2254 GMT)Where: SLC-4E; VSFB, CaliforniaTo: Low-Earth orbitSpaceX is poised to launch its next Starlink internet satellite fleet tonight from Vandenberg Space Force Base (VSFB), in California. Liftoff is set for 6:54 p.m. ET (2254 GMT). You'll be able to watch it live on SpaceX's mission website, as well as on its X account, starting about five minutes before launch.The mission, Starlink 11-13, will launch 27 new satellites from VSFB's Space Launch Complex-4E (SLC-4E), during a launch window available until 10:54 p.m. ET (0254 GMT, April 4). If for any reason tonight's launch is scrubbed, backup opportunities are available Friday, April 4, starting 6:32 p.m. ET (2232 GMT).This is the fifth flight for the Falcon 9 first stage booster, B1088, which is expected to land about 8 minutes after launch, on SpaceX's Of Course I Still Love You droneship, in the Pacific Ocean.Booster 1088 missionsThis will be SpaceX's 38th launch of 2025. 2025-04-02T13:44:22.301Z (Image credit: China Aerospace and Science Technology Corporation)Who: CASC, Long March 6What: unknown payloadWhen: April 2, 10:10 p.m. EDT (0210 GMT, April 3)Where: LA-16; TSLC, ChinaTo: unknown orbitThe China Aerospace Science and Technology Corporation (CASC) is expected to launch an unknown payload on a Long March 6 rocket. Liftoff is scheduled for 10:10 p.m. EDT (0210 GMT, April 3), from Launch Area-16 (LA-16), at the Taiyuan Satellite Launch Center (TSLC), in China.The 95-foot-long (29 m) Long March 6 is the smallest of China's new-gen launchers. It uses the same YF-100 kerosene-liquid oxygen engine that powers the Long March 5 boosters and Long March 7 core stage and can send 2,380 pounds (1,080 kg) of payload into SSO. Lifting off from Taiyuan in north China, the rocket is used mainly to launch clusters of smaller satellites. 2025-04-01T12:06:46.960Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 11-13When: April 1, 7:39 p.m. EDT (2339 GMT)Where: SLC-4E; VSFB, CaliforniaTo: Low-Earth orbitSpaceX is poised to launch its next Starlink internet satellite fleet tonight from Vandenberg Space Force Base (VSFB), in California. Liftoff is set for 7:39 p.m. EST (2339 GMT). You'll be able to watch it live on SpaceX's mission website, as well as on its X account, starting about five minutes before launch.The mission, Starlink 11-13, will launch 27 new satellites from VSFB's Space Launch Complex-4E (SLC-4E), during a launch window available until 11:39 p.m. EST (0339 GMT, April 2). If for any reason tonight's launch is scrubbed, backup opportunities are available Wednesday, April 2, starting 7:16 p.m. EST (2313 GMT).This is the fifth flight for the Falcon 9 first stage booster, B1088, which is expected to land about 8 minutes after launch, on SpaceX's Of Course I Still Love You droneship, in the Pacific Ocean.Booster 1088 missionsThis will be SpaceX's 38th launch of 2025. 2025-03-31T14:46:38.896Z (Image credit: Space.com / Josh Dinner)Who: SpaceX, Falcon 9What: Starlink 6-80When: March 31, 3:32:10 p.m. ET (1932 GMT)Where: LC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX is poised to launch its next Starlink internet satellite fleet tonight from Cape Canaveral Space Force Station (CCSFS), in Florida. Liftoff is set for 3:32:10 p.m. ET (1932 GMT). You'll be able to watch it live on SpaceX's mission website, as well as on its X account, starting about five minutes before launch.This Starlink mission, called Starlink 6-80, will launch 28 new satellites from CCSFS's Launch Complex-40 (LC-40), during a launch window available until 6:40 p.m. EST (2240 GMT). If for any reason tonight's launch is scrubbed, backup opportunities are available Tuesday, April 1, starting 2:24 p.m. EST (1424 GMT).This will be the 17th flight for the Falcon 9 first stage booster, B1080, which is expected to land about 8 minutes after launch, on SpaceX's Just Read the Instructions droneship, in the Atlantic Ocean.Fram2Who: SpaceX, Falcon 9What: Fram2When: March 31, 9:46:50 p.m. ET (0146 GMT on April 1)Where: LC-39A; KSC, FloridaTo: Low-Earth orbitSpaceX will launch Fram2, the first astronaut mission to orbit over Earth's poles, at 9:46 p.m. ET (0146 GMT on April 1), from Launch Complex-39A, at NASA's Kennedy Space Center (KSC), in Florida. Three additional opportunities are also available at 11:20 p.m. ET (0320 GMT), 12:53 a.m. ET (0453 GMT) and 2:26 a.m. ET (0626 GMT).Fram2 will launch a crew of 4 into a polar orbit for three to five days aboard SpaceX Crew Dragon Resilience. Resilience has previously supported crews on SpaceX's Crew-1, Inspiration4 and Polaris Dawn missions.This will be the 6th flight for the Falcon 9 first stage booster, B1085, which is expected to land about 8 minutes after launch, on SpaceX's A Shortfall of Gravitas droneship, in the Atlantic Ocean.Read more: Watch SpaceX launch historic Fram2 astronaut mission over Earth's poles tonight (video)This will be SpaceX's 36th and 37th launches of 2025. 2025-03-28T20:47:06.454Z (Image credit: Isar Aerospace)There's no scheduled launch today but the Germany-based Isar Aerospace will attempt to launch its first-ever Spectrum rocket from Andøya Spaceport in Norway, on Saturday, March 29, in what will be the first-ever vertical rocket launch from Europe. Liftoff is set for 7:30 a.m. EDT (1130 GMT)You'll be able to watch the launch live on Space.com, courtesy of Isar Aerospace and NASASpaceflight.com, beginning at 7:15 a.m. EDT (1115 GMT). Livestream: First test flight of Isar Aerospace - YouTube Watch On The mission, called "Going Full Spectrum" is the first test flight of what Isar hopes will be a new medium-lift launch vehicle for European customers. There are no payloads flying on the test flight, which will also be the first launch from Andøya Spaceport.Isar's Spectrum rocket is 95 feet (28 meters) tall two-stage booster designed to fly payload of up to 2,200 pounds (1,000 kilograms) to low-Earth orbit.(Image credit: SpaceX)After Saturday's Isar launch, SpaceX will launch 28 Starlink satellites into orbit on a Falcon 9 rocket from Space Launch Complex 40 at the Cape Canaveral Space Force Station in Florida. Liftoff is at 3:20 p.m. EDT (1920 GMT).The Starlink 6-80 mission will mark the 17th flight for its Falcon 9 rocket first stage booster, which has launch 10 Starlink flights, two Axiom Space creweed missions, two cargo missions for NASA and a commercal satellite and the Euclid space observatory. 2025-03-26T19:05:20.788Z (Image credit: SpaceX)Who: SpaceX, Falcon 9What: Starlink 11-7When: March 26, 6:11:40 p.m. EST (2211 GMT)Where: SLC-4E; VSFB, CaliforniaTo: Low-Earth orbitSpaceX is poised to launch its next Starlink internet satellite fleet tonight from Vandenberg Space Force Base (VSFB), in California. Liftoff is set for 6:11:40 p.m. EST (2211 GMT). You'll be able to watch it live on SpaceX's mission website, as well as on its X account, starting about five minutes before launch.This Starlink mission, called Starlink 11-7, will launch 27 new satellites from VSFB's Space Launch Complex-4E (SLC-4E), during a launch window available until 9:56 p.m. EST (0256 GMT, March 27). If for any reason tonight's launch is scrubbed, backup opportunities are available Thursday, March 27, starting 6:17 p.m. EST (2217 GMT).This is the 24th flight for the Falcon 9 first stage booster, which is expected to land about 8 minutes after launch, on SpaceX's Of Course I Still Love You droneship, in the Pacific Ocean.If SpaceX is not able to launch the Starlink 12-13 mission tonight, the company could try again through 2:47 a.m. EST (0747 GMT) on Wednesday, Feb. 26. SpaceX also has a backup window available on Wednesday night at 10:19 p.m. EST (0319 GMT).This will be SpaceX's 35th launch of 2025. 2025-03-26T11:15:42.569Z (Image credit: Rocket Lab / CASC)Who: Rocket Lab, ElectronWhat: OroraTech OTC-P1When: March 26, 11:30 a.m. EST (1530 GMT)Where: Pad B, LC-1; Mahia, NZTo: 340 mi (550 km), 97°Rocket Lab will launch an Electron rocket on the "Finding Hot Wildfires Near You" mission from Pad B at the company's Launch Complex 1, in Mahia, New Zealand. Liftoff is expected sometime during a 30-minute window that opens at 11:30 a.m. EST (1530 GMT) March 26 — with a local time of 4:30 a.m. NZT, March 27. The three-stage rocket is scheduled to release its payloads just under an hour after launch, where the satellites will begin their synchronized alignment.A livestream of the launch will be available on Rocket Lab's website and on the Space.com homepage beginning at 11:10 a.m. EST (1530 GMT).This will be Rocket Lab's fifth launch of 2025.Who: CASC, Long March 3B/EWhat: unknownWhen: March 26, 11:55 a.m. EDT (1555 GMT)Where: LC-3B; XSLC, ChinaTo: unknown orbitThe China Aerospace Science and Technology Corporation (CASC) is expected to launch an unknown payload on a Long March 3B/E heavy-lift rocket. The mission will liftoff from Launch Complex-3, at the Xichang Satellite Launch Center (XSLC), in China. The Long March 3B rocket is capable of lifting large payloads to geostationary transfer orbit. 2025-03-24T11:10:49.391Z Isar Aerospace's Spectrum rocket stands on the launchpad at Andøya Spaceport, Norway. (Image credit: Isar Aerospace)Update: The Isar Aerospace Spectrum rocket maiden launch has been scrubbed due to unfavorable weather, the company announced in an online post Monday morning.Read more: 1st-ever orbital rocket launch from European soil delayed due to unsafe windsThe first test flight of #Spectrum is scrubbed due to unfavorable winds. Launch vehicle and range remain healthy, and the team is working to determine a new launch window together with @AndoyaSpace Spaceport. Well done team for today’s attempt.#goingfullspectrumMarch 24, 2025Who: Isar Aerospace, SpectrumWhat: Test Flight 1When: March 24, 7:30 a.m. EDT (1130 GMT)Where: Andøya Spaceport, NorwayTo: unknown orbitGermany-based Isar Aerospace is targeting no earlier than Monday, March 24, for the maiden voyage of its brand new Spectrum rocket. The Spectrum will liftoff from the Andøya Spaceport, in Norway, during a three-hour launch window Monday, between 7:30 a.m. EST (1130 GMT) and 10:30 a.m. EDT (1430 GMT).Who: SpaceX, Falcon 9What: NROL-69When: March 24, 1:48 p.m. EDT (1748 GMT)Where: SLC-41. CCSFS, FloridaTo: unknown orbitSpaceX is poised to launch a classified payload for the U.S. National Reconnaissance Office (NRO) overnight, from the Cape Canaveral Space Force Station (CCSFS), in Florida, with liftoff set for no earlier than March 24, at 1:48 p.m. EST (1748 GMT).The Falcon 9 will launch the NRO's NROL-69 mission, on the B1092 booster, which also launched the Starlink 12-13 mission Feb. 22. The booster is expected to return to Cape Canaveral for landing and recovery about 8.5 minutes after liftoff. Touchdown will occur at CCSFS Landing Zone-4. If needed, a backup opportunity is available on Tuesday, March 25 at 1:34 p.m. EST (1734 GMT).A livestream of the launch will be available on SpaceX's NROL-69 website, as well as on its X account, starting about ten minutes before launch.Booster 1088 missionsThis will be SpaceX's 34th launch of 2025. 2025-03-20T20:44:52.228Z (Image credit: Space.com/ Josh Dinner)Who: SpaceX, Falcon 9What: NROL-57When: March 21, 2:49 a.m. EDT (0649 GMT)Where: SLC-4E. VSFB; CaliforniaTo: unknown orbitSpaceX is poised to launch a classified payload for the U.S. National Reconnaissance Office (NRO) overnight, from California's Vandenberg Space Force Base (VSFB), with liftoff set for no earlier than March 21, at 2:49 a.m. EDT (0649 GMT; 11:49 p.m. PDT, local time).The Falcon 9 will launch the NRO's NROL-57 mission, which is thought to include group of satellites for the government's Starshield satellite constellation, a government version of SpaceX's Starlink internet constellation, based on the available info.This will be the fourth flight for the booster launching this mission, B1088, and is expected to return to Vandenberg for landing and recovery about 8.5 minutes after liftoff. Touchdown will occur at VSFB Landing Zone-4. If needed, a backup opportunity is available on Friday, March 22 starting at 2:31 p.m. EDT (0631 GMT; 11:31 p.m. PDT, local time).A livestream of the launch will be available on SpaceX's NROL-57 website, as well as on its X account, starting about ten minutes before launch.Booster 1088 missionsThis will be SpaceX's 34th launch of 2025. 2025-03-19T13:34:05.028Z (Image credit: NRO)A SpaceX Falcon 9 rocket is expected to launch a classified payload for the U.S. National Reconnaissance Office today from California's Vandenberg Space Force Base, with liftoff set for no earlier than March 21, at 1:48 a.m. EDT (0548 GMT; 10:48 p.m. PDT, local time).The Falcon 9 will launch the NRO's NROL-57 mission, which is thought to include group of satellites for the government's Starshield satellite constellation, a government version of SpaceX's Starlink internet constellation, based on the available info."This mission is the 8th launch of NRO's proliferated architecture and 4th NRO launch of 2025," NRO officials wrote in an update on social media on March 17. 2025-03-18T17:17:58.275Z (Image credit: SpaceX)A SpaceX Falcon 9 rocket is expected to launch 23 new Starlink V2 Mini satellites into orbit from Cape Canaveral Space Force Station in Florida today. Liftoff is set for 3:57 p.m. EDT (1957 GMT).SpaceX will launch the mission abotu two hours before the company's Crew-9 Dragon spacecraft will return to Earth off the coast of Florida in the Gulf of Mexico to return four astronauts home. NASA's live webcast of that landing will begin at 4:45 p.m. EDT (2045 GMT).The upcoming Starlink launch, called Starlink 12-25, will include 13 direct-to-cell capable Starlink satellites. It will be the 19th flight for the Falcon 9 rocket first stage on the mission.If SpaceX is unable to launch at 3:57 p.m. EDT, the company has backup options through 6 p.m. EDT (2200 GMT), as well as on Wednesday, March 19, at 3:30 p.m. EDT (1930 GMT). 2025-03-17T15:03:19.897Z (Image credit: Rocket Lab via Twitter)Rocket Lab successfully launched a private radar satellite into orbit on Friday, March 14, but the company is already counting down again for its next launch. Liftoff is set for 9:31 p.m. EDT (0231 March 18 GMT), though it will be 2:31 p.m. local time at Rocket Lab's Launch Complex 1 site on New Zealand's Mahia Peninsula.A Rocket Lab Electron rocket will launch the "High Five" mission for customer Kinéis in what will be the last flight in a five-launch deal with the global Internet-of-Things connectivity provider. The launch will deliver five Kinéis satellites to complete a 25-satellite constellation."This fifth launch with Rocket Lab will mark a major milestone for Kinéis: the completion of our constellation deployment in less than a year. I commend the commitment and professionalism of the Kinéis teams, Rocket Lab, and all our partners – a tremendous challenge successfully achieved together!" Michel Sarthou, Kinéis Chief Technology Officer. 2025-03-14T17:16:34.891Z A SpaceX Falcon 9 rocket with the company’s Dragon spacecraft on top is seen during sunset on the launch pad at Launch Complex 39A at NASA’s Kennedy Space Center in Florida on Tuesday, March 11, 2025, ahead of the agency’s SpaceX Crew-10 launch. (Image credit: SpaceX)It's another busy day out there in the world of space flight.SpaceX is scheduled to launch NASA's Crew-10 astronaut mission to the International Space Station after multiple delays. One of the company's Falcon 9 rockets will send a crew of four skyward at 7:03 p.m. from Kennedy Space Center in Florida. Watch it live here courtesy of NASA.Next up, Rocket Lab will attempt to launch its "The Lightning God Reigns" mission from New Zealand at at 8 p.m. ET (0000 GMT on March 15). The launch will send a synthetic aperture radar (SAR) to orbit that will take high-resolution images of Earth. Read more about the mission here.Hours later, in the early morning on Saturday (March 15), SpaceX will launch 74 satellites on the Transporter 13 rideshare mission. 2025-03-12T22:31:59.579Z (Image credit: SpaceX)A SpaceX Falcon 9 rocket is counting down to launch four astronauts to the International Space Station on the Crew-10 mission for NASA. Liftoff is scheduled for 7:48 p.m. EDT (2348 GMT) from Pad 39A of NASA's Kennedy Space Center in Florida.The Falcon 9 will launch NASA astronauts Anne McClain, Nichole Ayers, Takuya Onishi of JAXA and Kirill Peskov of the Russian space agency Roscosmos to the ISS. They will relieve four Crew-9 astronauts, who are due to return to Earth on March 16.You can watch the launch live on Space.com and see our Crew-10 mission live updates.Meanwhile, SpaceX also launched a new NASA space telecope into orbit late Tuesday night.The company launched NASA's SPHEREx space telescope to map the entire sky in incredible detail in a mission that lifted off late Tuesday from SpaceX's pad at Vandenberg Space Force Base in California. It also launched four PUNCH satellites to study the sun's corona, or outer atmosphere, for NASA. Here's a video of that launch.And one last stunning parting voew of the SPHEREx space telescope as it drifted away after spacecraft separation.The conical SPHEREx space telescope drifts away from its Falcon 9 rocket after a successful launch into orbit on March 11, 2024. (Image credit: NASA) 2025-03-06T14:10:39.447Z (Image credit: ESA-Manuel Pedoussaut / Space.com-Josh Dinner)Who: Arianespace, Ariane 6What: CSO-3When: 11:24 a.m. EST (1624 GMT)Where: Europe's Spaceport in Kourou, French GuianaTo: Sun-synchronous orbitEurope's powerful Ariane 6 rocket is scheduled to launch for the second time ever today (March 6), from Europe's Spaceport in Kourou, French Guiana, at 11:24 a.m. EST (1624 GMT; 1:24 p.m. local time in Kourou). The mission will carry the CSO-3 optical spy satellite for the French military. CSO-3 will deploy into a sun-synchronous orbit about 500 miles (800 kilometers) above Earth. You can watch the action live here at Space.com or directly via the France-based company Arianespace. Coverage will begin about 40 minutes before liftoff.Europe's Ariane 6 heavy-lift rocket launching for 2nd time ever today: Watch it liveWho: SpaceX, StarshipWhat: Flight Test 8When: 6:30 p.m. EST (2330 GMT)Where: Pad-1, Starbase, TexasTo: Suborbital trajectorySpaceX plans to launch the eighth test flight (IFT-8)of its huge Starship rocket Thursday evening. Liftoff for the integrated flight test (IFT) of the stacked Super Heavy first-stage booster and second-stage Ship is targeted for 6:30 p.m. EST (2330 GMT; 5:30 p.m. local Texas time), from Starship Launchpad-1, at SpaceX's Starbase, Texas manufacture and test facility.Super Heavy is expected to return to Starbase to be caught by the launch tower's "mechzilla" arms about seven minutes after liftoff, while Ship will deploy four dummy versions of SpaceX's Starlink broadband satellites on a suborbital trajectory, before a controlled splashdown in the Indian Ocean off Western Australia about 66 minutes after launch.You can watch it live here at Space.com, courtesy of SpaceX, or directly via the company. Coverage will begin about 40 minutes before liftoff.Watch SpaceX launch its Starship Flight 8 megarocket test flight todayThis will be SpaceX's 27th overall launch of 2025, and the second launch this year for Starship. 2025-03-05T15:14:30.924Z SpaceX plans to launch the eighth integrated flight test (IFT-8) of its huge Starship rocket on Thursday (Mar. 6), during a lunch window that opens at 6:30 p.m. ET (0030 GMT, Mar. 7). That's three days later than originally planned; SpaceX had aimed to launch Starship Flight 8 on Monday (March 3) but called that attempt off after discovering issues with the rocket. SpaceX announced a one-day delay from a targeted launch on Mar. 5 in a post on X Wednesday morning.Read more: Watch SpaceX launch its Starship Flight 8 megarocket test flight on March 6NASA also recently announced a postponement of the SPHEREx/PUNCH launch that had also been scheduled for earlier this week. That launch is now targeting a liftoff from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base, in California, on Friday, Mar. 7, at 10:09 p.m. ET (0309 GMT). A pre-flight press conference is scheduled for tomorrow (Mar. 6), at 3:30 p.m. ET (2030 GMT).Read more: NASA delays launch of SPHEREx and PUNCH missions 2025-03-04T16:30:35.433Z (Image credit: SpaceX)SpaceX now has a new launch date for its Starship Flight 8 test flight after last-minute issues delayed an attempted launch on Monday, March 3. The company is now aiming to launch the Starship megarocket on Wednesday, March 5, at 6:30 p.m. EST (2330 GMT) from its Starbase facility near Boca Chica Beach in South Texas.Space.com will have live coverage of the Starship Flight 8 launch on Wednesday, starting at about 6 p.m. EST (2300 GMT).March 3: Russia launches military satellite on Soyuz(Image credit: Roscosmos)On March 3, the Russian Aerospace Forces successfully launched a military payload atop a Soyuz 2.1 rocket from the country's Plesetsk Cosmodrome.The rocket appeared to lift off as snow was falling, according to video released on Telegram by Roscosmos."At the estimated time, the spacecraft was inserted into the target orbit and accepted for control by the ground-based means of the Aerospace Forces Space Forces," Roscosmos wrote in an update on Telegram, according to a translation. "Stable telemetry communication has been established and maintained with the spacecraft, and its onboard systems are functioning in the normal mode." 2025-03-03T14:58:09.279Z (Image credit: SpaceX)Who: SpaceX, StarshipWhat: IFT-8When: 6:30 p.m. EST (2330 GMT)Where: Pad-1, Starbase, TexasTo: Suborbital flightSpaceX plans to launch the eighth test flight (IFT-8)of its huge Starship rocket Monday evening. Liftoff for the integrated flight test (IFT) of the stacked Super Heavy first-stage booster and second-stage Ship is targeting 6:30 p.m. EST (2330 GMT; 5:30 p.m. local Texas time), from Starship launchpad-1, at SpaceX's Starbase, Texas manufacture and test facility.If all goes according to plan today, Super Heavy will return to Starbase and be caught by the launch tower's "chopstick" arms about seven minutes after liftoff, while Ship will deploy four dummy versions of SpaceX's Starlink broadband satellites on a suborbital trajectory before a controlled splashdown in the Indian Ocean off Western Australia about 66 minutes after launch.You can watch it live here at Space.com, courtesy of SpaceX, or directly via the company. Coverage will begin about 40 minutes before liftoff.This will be SpaceX's 27th overall launch of 2025, and the second launch this year for Starship. 2025-02-27T16:43:24.038Z Russia's Progress MS-30 (91P) cargo craft stands atop a Soyuz 2.1a rocket at the Baikonur Cosmdrome for its launch to the International Space Station on Thursday, Feb. 27, 2025. (Image credit: Roscosmos)A Russian Progress MS-30 cargo ship will launch to the International Space Station today to deliver tons of fresh gear and supplies for the orbiting laboratory's astronaut crew. Liftoff is set for 4:24 p.m. EST (2124 GMT or 2:24 a.m. local time on Feb. 28). You'll be able to watch the action live on Space.com and via NASA+, beginning at 4 p.m. EST (2100 GMT).The Progress cargo ship is carrying 5,730 pounds (2,599 kilograms) of supplies for the ISS. That cargo includes clothing, food, medical and sanitary supplies for the station's residents, as well as a new Orlan-MKS spacesuit of the type used today on Russian spacewalks.The Soyuz rocket launching the mission is decorated to celebrate the centennial of famed Russian cosmonaut Pavel Belyayev, who in 1965 led the world's first mission to perform a spacewalk. 2025-02-26T14:57:45.531Z (Image credit: Intuitive Machines/SpaceX/collectSPACE.com)Intuitive Machines says its second moon lander Athena is ready for a planned launch to the moon tonigth from Florida atop a SpaceX rocket. Liftoff could occur at 7:17 p.m. EST (0017 GMT).SpaceX has not yet listed the Intuitive Machines launch on its schedule pending a static fire test of the Falcon 9 rocket launching the flight. However, the company also has a different Falcon 9 rocket preparing to launch 21 Starlink satellites from Cape Canaveral Space Force Station tonight at 10:34 p.m. EST (0334 GMT) - it's the same one that was scheduled for last night, only delayed 24 hours.We'll be sure to update this space with Intuitive Machines' launch tonight. The mission is carrying the company's second moon lander, Athena, and will land at the south pole of the moon to deliver the PRIME-1 experiment to drill for water ice as part of NASA's Commercial Lunar Payloads Services program. It is also carrying a small "hopper" probe called Grace and a small moon rover. Other payloads include the Lodestar computer server and a Nokia 5G hub for commercial customers.The mission will also launch NASA's Lunar Trailblazer satellite, which will orbit the moon and study it from above. 2025-02-25T21:36:56.543Z (Image credit: SpaceX)Who: SpaceX, Falcon 9 rocketWhat: Starlink satellites 12-13When: Feb. 26, 10:34 p.m. ET (0334 GMT, Feb. 27)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX is poised to launch its next Starlink internet satellite fleet tonight from Cape Canaveral Space Force Station. Liftoff is set for 10:34 p.m. ET (0334 GMT, Feb. 27). You'll be able to watch it live on SpaceX's mission website, as well as on its X account, starting about five minutes before launch.This Starlink mission, called Starlink 12-13, will launch 21 new satellites, 13 of which are equipped for direct-to-cell communications for mobile phones. The mission will lift off from SpaceX's Space Launch Complex 40 pad in Cape Canaveral.The Falcon 9 rocket launching the Starlink mission is making its first flight, a rare new booster in SpaceX's reusable fleet. About 8 minutes after launch, the booster should return to Earth to land on the drone ship Just Read The Instructions in the Atlantic Ocean.SpaceX's megaconstellation of LEO Starlink satellites provide low-cost internet to locations around the globe, with nearly seven thousand currently in the orbital network.This will be SpaceX's 24th launch of 2025. 2025-02-25T20:55:33.807Z Blue Origin's New Shepard rocket launches six space tourists on a suborbital flight from West Texas on Feb. 25, 2025. (Image credit: Blue Origin)Today's big rocket launch starred Blue Origin's New Shepard rocket, which launched a crew of six space tourists to suborbital space and back in a short flight that lifted off at 10:50 a.m. EST (1550 GMT) from West Texas.The launch, called NS-30, flew six paying passengers to space and back and marked the 10th human spaceflight by Blue Origin. The mission also carried Blue Origin's 50th person to fly in space, the company said."The crewmembers on today's flight were venture capitalist Lane Bess (who flew on New Shepard for the second time), Spanish TV host Jesús Calleja, entrepreneur and physicist Elaine Chia Hyde, reproductive endocrinologist Richard Scott and hedge fund partner Tushar Shah," Space.com's Mike Wall wrote in our launch coverage. Blue Origin did not provide details about the sixth crewmember, and stated that he wished to remain anonymous. 2025-02-23T15:03:51.465Z (Image credit: SpaceX)Who: SpaceX, Falcon 9 rocketWhat: Starlink satellites 12-13When: Feb. 23, 11:42 a.m. ET (0442 GMT, Feb. 24)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX will launch the Starlink 12-13 group from Space Launch Complex-40 (SLC-40) at Cape Canaveral Space Force Station, in Florida. The window for liftoff will open from 11:42 a.m. ET (0442 GMT, Feb. 24) to 3:42 a.m. ET (0842 GMT), Feb. 24, with backup a opportunity tomorrow, Feb. 24, starting at 11:14 a.m. ET (0414 GMT, Feb. 25). This will be the first flight flight of the Falcon 9 first stage booster launching the mission, tail number B1092, which will land on SpaceX's Just Read the Instructions droneship in the Atlantic Ocean, shortly after launch.This launch will add 21 satellites to the growing Starlink constellation, including 13 with direct-to-cell capabilities. Starlink is the largest satellite constellation ever assembled, with nearly 7,000 currently in operation, coordinating a global network of high-speed internet.SpaceX will stream the launch live from the company's page on X and directly on SpaceX's Starlink 12-13 mission page, beginning around 11:35p.m. ET (0425 GMT, Feb. 24).Booster 1092 missions:This will be SpaceX's 25th launch of 2025. 2025-02-21T22:00:05.580Z (Image credit: CASC/SpaceX)Who: China, Long March 3B rocketWhat: unknown payloadWhen: Feb. 22, 7:10 a.m. ET (1210 GMT)Where: LC-3B, Xichang Satellite Launch CenterTo: unknownStarting off the weekend, China Aerospace Science and Technology Corporation (CASC) will launch a Long March 3B rocket carrying an unknown payload from the Xichang Satellite Launch Center, in China. Liftoff from the government's Launch Complex-3 (LC-3) is scheduled for an early 7:10 a.m. ET (1210 GMT). And that is about as much as we know about that launch because...China.Who: SpaceX, Falcon 9What: Starlink 15-1When: Feb. 22, 5:24 p.m. ET (2224 GMT)Where: SLC-4E. VSFB, CaliforniaTo: low-Earth orbitNext up! SpaceX will launch the Starlink 15-1 group from Space Launch Complex-4E (SLC-4E) at at Vandenberg Space Force Base, in California. The window for liftoff will open from 5:24 p.m. ET (2224 GMT) to 9:52 p.m. ET (0252 GMT, Feb. 23), with backup a opportunity Sunday, Feb. 23, starting at 5:10 p.m. ET (2210 GMT). This will be the 11th flight of the Falcon 9 first stage booster launching the mission, which has flown eight Starlink missions. The booster will land on SpaceX's Of Course I Still Love You droneship in the Atlantic Ocean, shortly after launch.This launch adds to SpaceX's growing Starlink megaconstellation, the largest ever assembled, with nearly 7,000 currently in operation, coordinating a global network of high-speed internet.SpaceX will stream the launch live from the company's page on X and directly on SpaceX's Starlink 15-1 mission page, beginning around 5:19p.m. ET (2219 GMT).Booster 1082 missionsUSSF-62 | OneWeb | Launch 20 | 11 Starlink missionsThis will be SpaceX's 24th launch of 2025. 2025-02-21T14:11:32.592Z (Image credit: SpaceX)Who: SpaceX, Falcon 9 rocketWhat: Starlink satellites 12-14When: Feb. 21, 10:19 a.m. ET (1519 GMT)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitSpaceX will launch the Starlink 12-14 group from Space Launch Complex-40 (SLC-40) at Cape Canaveral Space Force Station, in Florida. The window for liftoff will open from 10:19 a.m. ET (1519 GMT) to 10:25 a.m. ET (1525 GMT), with backup a opportunity tomorrow, Feb. 22, starting at 6:17 a.m. ET (11117 GMT). This will be the 21st flight of the Falcon 9 first stage booster launching the mission, which has flown 11 Starlink missions. The booster will land on SpaceX's A Shortfall of Gravitas droneship in the Atlantic Ocean, shortly after launch.This launch will add 23 satellites to the growing Starlink constellation, the largest ever assembled, with nearly 7,000 currently in operation, coordinating a global network of high-speed internet.SpaceX will stream the launch live from the company's page on X and directly on SpaceX's Starlink 12-14 mission page, beginning at 10:12p.m. ET (1512 GMT).This will be SpaceX's 23rd launch of 2025. 2025-02-18T17:47:36.136Z (Image credit: SpaceX / Rocket Lab)Swipe to scroll horizontallyWho:SpaceX, Falcon 9Rocket LabWhat:Starlink constellation 10-12Fasten Your Space BeltsWhen:Feb. 18, 6:15p.m. ET (1353 GMT)Feb. 18, 6:15p.m. ET (1353 GMT)Where:SLC-40, CCSFS; FLPad B, LC-1; New ZealandTo: Low-Earth Orbit355 miles (570 km)292 miles (460 km), 59° inclinationA simultaneous rocket launch double header is lifting off this evening from opposite sides of Earth. Rocket Lab is targeting 6:15p.m. ET (2315 GMT, 12:15 p.m., New Zealand), for the launch of BlackSky's Fasten Your Space Belts mission. This will be Rocket Lab's ninth launch for BlackSky since 2019, and will deliver 35cm high-resolution Gen-3 satellite to a low-Earth orbital altitude of 292 miles (460 km), with a 59° inclination. According to the company, BlackSky's Gen-3 satellites will introduce low-latency, high-resolution imagery and AI analytics the their growing constellation of spacecraft.At the exact same time, on the other side of the planet, SpaceX will launch the Starlink 10-12 group from Space Launch Complex-40 (SLC-40) at Cape Canaveral Space Force Station (CCSFS), in Florida. A window for liftoff will open from 6:15p.m. ET (2315 GMT) to 9:35 p.m. ET (0235 GMT, Feb. 19), with backup a opportunity tomorrow (Feb. 19), starting at 6:05p.m. ET (2305 GMT). This will be the 16th flight of the Falcon 9 first stage booster launching the mission, of which 9 have been Starlink missions.The booster will land on SpaceX's Just Read the Instructions droneship in the Atlantic Ocean, shortly after launch. Starlink is the biggest satellite constellation ever assembled, with nearly 7,000 satellites currently in operation, operating a global network of high-speed internet.SpaceX will stream the launch life from the company's page on X, and on their website's mission page beginning at 6:05p.m. ET (2305 GMT)This will be SpaceX's 22nd launch of 2025. 2025-02-11T13:55:23.933Z (Image credit: SpaceX)Who: SpaceX, Falcon 9 rocketWhat: Starlink satellites 12-8When: Feb. 11, 1:53p.m. ET (1353 GMT)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitAnother day, another Starlink launch headed to low-Earth orbit! SpaceX will launch the Starlink 12-8 group from Space Launch Complex-40 (SLC-40) at Cape Canaveral Space Force Station, in Florida. A window for liftoff will open from 1:53p.m. ET (1353 GMT) to 3:43 p.m. ET (2043 GMT), with backup a opportunity tomorrow, starting at 11:36 a.m. ET (1636 GMT). This will be the 18th flight of the Falcon 9 first stage booster launching the mission, or which 10 have been Starlink missions. The booster will land on SpaceX's Just Read the Instructions droneship in the Atlantic Ocean, shortly after launch. Starlink is the biggest satellite constellation ever assembled, with nearly 7,000 satellites currently in operation, operating a global network of high-speed internet.SpaceX will stream the launch life from the company's page on X, beginning at 1:47p.m. ET (1357 GMT)This will be SpaceX's 20th launch of 2025. 2025-02-10T14:53:16.634Z (Image credit: SpaceX)Who: SpaceX, Falcon 9 rocketWhat: Starlink satellites 11-10When: Feb. 10, 6:46 p.m. ET (0046 GMT, Feb. 11)Where: SLC-4E; VSFB, CaliforniaTo: Low-Earth orbitStarting off the week, SpaceX will launch the Starlink 11-10 group from Space Launch Complex-4E (SLC-4E) at Vandenberg Space Force Base, in California. A window for liftoff begins at 6:46 p.m. ET (0046 GMT, Feb. 11), with backup opportunities on Tomorrow, starting at 6:19 p.m. ET (0019 GMT). This will be the 23rd flight of the Falcon 9 first stage booster launching the mission, which has flown 13 previous Starlink missions. The booster will land on SpaceX's drone ship Of Course I Still Love You, in the Pacific Ocean, shortly after launch. Starlink is the biggest satellite constellation ever assembled, with nearly 7,000 satellites currently in operation, operating a global network of high-speed internet. 2025-02-07T13:20:36.027Z (Image credit: SpaceX)Who: SpaceX, Falcon 9 rocketWhat: Starlink satellites 12-9When: Feb. 8, 1:23p.m. ET (1823 GMT)Where: SLC-40; CCSFS, FloridaTo: Low-Earth orbitUpdate: This Starlink launch was delayed from Feb. 7. Information here has been updated to include the most recent launch information. Keeping up its steady pace of launches, SpaceX plans to loft another batch of Starlink satellites into low-Earth orbit (LEO) Feb. 8. Liftoff of the Falcon 9 rocket carrying out the mission is scheduled for 1:23 p.m. ET (1823 GMT), from Space Launch Complex-40, at Cape Canaveral Space Force Base, in Florida.This will be SpaceX's 17th launch of the Falcon 9 rocket so far in 2025, and the company's 11th Starlink launch of the year. Starlink is the biggest satellite constellation ever assembled, with nearly 7,000 satellites currently in operation, operating a global network of high-speed internet. 2025-02-04T02:15:04.426Z (Image credit: Space.com/Josh Dinner / Blue Origin / Rocket Lab / Space.com/Josh Dinner / Roscosmos)Tuesday could break the record for most rocket launches in a 24-hour period. Prepare to set your alarms early, because our day begins at a brisk 3:37 a.m. ET (0837 GMT). Well before the sun rises on Launch Complex-40 at Cap Canaveral Space Force Station, a SpaceX Falcon 9 rocket will launch Starlink batch 12-3 into low-Earth orbit, adding to the ever-growing constellation of internet satellites. SpaceX will stream that launch live through their profile on X, beginning at 3:30 a.m. ET (0830 GMT).There are plenty of hours until the next launch in the line-up, so feel free to catch up on the sleep you missed watching Starlink. Next, Blue Origin's New Shepard rocket is expected to launch the NS-29 suborbital mission from its Launch Site-1, in West Texas. The NS-29 launch window opens at 10:30 a.m. ET (1530 GMT), and will be streamed on the Space.com homepage, as well as on the company's YouTube page.Watch Live: Blue Origin's New Shepard rocket 'moon gravity' launch on Feb. 4Rocket Lab will launch an Electron rocket from New Zealand for the IoT 4 You and Me (Kinéis 16-20) mission, adding the final five IoT (Internet of Things) satellites to a 25-satellite constellation for tracking and real-time alerts across the globe. That mission is scheduled to launch from Rocket Lab Launch Complex 1, at 3:43 p.m. ET (2043 GMT, 11:43 a.m. local New Zealand time). The Rocket Lab launch will also be streamed on Space.com.That will be followed by another SpaceX launch, this time out of Launch Complex-39A, at NASA's Kennedy Space Center, in Florida. A Falcon 9 will launch a pair of Maxar Technology's WorldView Legion satellites, the final two in a 6-constellation Earth-observation group. Liftoff for the WorldView Legion launch is slated for 6:07 p.m. ET (2307 GMT). SpaceX will stream that launch live through their profile on X, beginning around 5:50 p.m. ET (2250 GMT).Finally, capping off the potentially record-breaking day (barring any scrubs), a Russian Soyuz 2.1V/Volga rocket will launch an unknown payload from the Plesetsk Cosmodrome, in the northwestern region of the country. The classified mission is scheduled to launch at 10 p.m. ET (0300 GMT, Feb. 5). 2025-02-03T19:23:21.439Z (Image credit: Lockheed Martin)The SpaceX launch of Maxar Technology's WorldView Legion satellites was delayed one day, from its initial Feb. 3 window. The mission will launch on a Falcon 9 rocket from Launch Complex-39A, at NASA's Kennedy Space Center, in Florida, now scheduled for Feb. 4, at 6:07 p.m. ET (2307 GMT).Four other launches are also scheduled for tomorrow, beginning at 3:37 a.m. ET (0837 GMT) with a Starlink launch from NASA's Kennedy Space Center. Blue Origin is expected to launch its New Shepard rocket on the NS-29 mission during a window that opens at 10:30 a.m. ET (1530 GMT), from New Mexico. Rocket Lab will launch an Electron rocket from New Zealand for the IoT 4 You and Me (Kinéis 16-20) mission, and a Russian Soyuz launch of an unknown payload is scheduled for 10 p.m. ET (0300 GMT, Feb. 5), to end the extremely busy day in rocket launches. 2025-02-03T13:52:11.413Z A SpaceX Falcon 9 launches a pair of Maxar WorldView Legion satellites, Aug. 15, 2024. (Image credit: SpaceX)February is starting off hot, with three rocket launches in as many days, so far this month, with another poised to liftoff before the day is through.SpaceX will launch a pair of WorldView Legion satellites built by Maxar Space Systems. The launch completes the company's 6-satellite WorldVIew Legion group, part of a larger 10-satellite constellation of electro-optical satellites capable of imaging rapidly changing areas on Earth up to every 20 to 30 minutes. The mission will launch on a Falcon 9 rocket from Launch Complex-39A, at NASA's Kennedy Space Center, in Florida, during a launch window that opens at 6:41 p.m. ET (2341 GMT). 2025-01-31T13:36:04.467Z (Image credit: JAXA)The next major launch coming up is not today, but rather this weekend, when SpaceX and Japan's space agency are expected to launch two different missions on Saturday and Sunday.SpaceX will be first, with the company expected to launch its Starlink 11-4 mission on Saturday, Feb. 1, from Space Launch Complex 4E at Vandenberg Space Force Base in California. Liftoff is set for 5:48 pm ET (2:48 p.m. PT/2248 GMT). The Falcon 9 mission is expected to launch more than 20 Starlink internet satellites into orbit, but SpaceX has not set a mission page for the flight. If the launch sticks to Feb. 1, expect a livestream on SpaceX's X account to go live about 5 minutes before liftoff.Up next will be the Japan Aerospace Exploration Agency (JAXA) on Sunday, Feb. 2. JAXA will launch the new Michibiki 6 mission to deliver Japan's Quasi-Zenith Satellite System (QZS-6) into orbit. Liftoff is set for 3:30 a.m. ET (0830 GMT), though it will be 5:30 p.m. local time at Japan's Yoshinobu Launch Complex. JAXA is launching the mission with its new H3 rocket.You can watch the JAXA launch live on YouTube via JAXA's YouTube channel, starting at 2:50 a.m. EST (0750 GMT).QZS-6 is part of a Japanese navigation satellite constellation, operating in elliptical geosynchronous orbits. The satellite is designed to augment GPS signals to otherwise unreachable locations; using its orbit to relay signals to canyons and mountainous terrain. 2025-01-29T21:57:48.321Z A SpaceX Falcon 9 rocket stands poised to launch ESA's and Hisdesat's SpainSat NG 1 satellite from Kennedy Space Center in Florida on Wednesday, Jan. 29, 2025. (Image credit: SpaceX)A SpaceX Falcon 9 rocket will launch a a Spanish communications satellite, SpainSat NG-1, into a geostationary transfer orbit, as part of the European Space Agency’s (ESA) Pacis 3 project. The mission will liftoff from Launch Complex-39A (LC-39A), at NASA's Kennedy Space Center, in Florida, during a two-hour window that opens at 8:34 p.m. EST (0134 GMT on Jan. 30).The Falcon 9 booster, which previously supported missions HAKUTO M1 and CRS-27, among others, will not be recovered due to the orbital requirements of this mission, SpaceX wrote in an overview. SpaceX will webcast the launch live beginning about 15 minutes prior to liftoff, which you can watch on the company's website and on the social media network X.Watch Live: SpaceX rocket launches next-gen SpainSat NG 1 satellite into orbit 2025-01-28T16:31:50.690Z (Image credit: Blue Origin)Update: Blue Origin scrubbed the launch of NS-29 at 12:55, Jan. 28, due to unfavorable weather and an issue with the New Shepard launch vehicle's avionics. The company did not announce when the next launch attempt will take place.The countdown for Blue Origin's NS-29 entered an unscheduled hold at 11:20, with the mission clock stopped at T-0:10:00. In a post on X, formerly Twitter, the company said they were awaiting results from a weather balloon before moving ahead. "We’ve been tracking a thick cloud deck over West Texas," the post said. Watch the launch live on the Space.com homepage, or on YouTube, courtesy of Blue Origin. 2025-01-28T15:23:44.139Z (Image credit: ISRO)The Indian Space Research Organization (ISRO) will launch a GPS satellite, known as the Indian Regional Navigation Satellite System (IRNSS), aboard a Geosynchronous Satellite Launch Vehicle Mark II (GSLV Mk II) rocket. The mission will liftoff from the Satish Dhawan Space Centre, in Sriharikota, Andhra Pradesh at 7:53 p.m. ET (2453 GMT). Watch the launch live, beginning at 7:20 p.m. ET (2420 GMT), here. 2025-01-28T14:21:47.205Z (Image credit: Blue Origin)Blue Origin will launch its first suborbital rocket launch of 2025 today — and attempt a wild spin trick to mimic the moon's gravity during the flight. The uncrewed New Shepard rocket will launch the NS-29 mission no earlier than 11:30 a.m. EST (10:30 a.m. CST/1630 GMT) from Blue Origin's Launch Site One in West Texas. The mission will launch 30 different experiments, most of them for NASA, aimed at testing moon-related technologies. Watch the launch on Space.com, courtesy of Blue Origin's livestream, which will begin about 15 minutes before liftoff. Read more: What time is Blue Origin's New Shepard rocket 'moon gravity' launch today? Here's how to watch liveAlso flying today, Colorado-based Boom Supersonic's XB-1 test vehicle is scheduled to takeoff on its 12th test flight from California's Mojave Air & Space Port today at around 11:00 a.m. EST (1600 GMT; 8 a.m. local California time). If all goes well, the piloted demonstration will exceed Mach 1 — the speed of sound — about 25 minutes later. Boom will webcast the mission live via its website beginning at 10:45 a.m. EST (1545 GMT). If the company makes the stream available on YouTube, Space.com will carry it. Read more: Boom Supersonic to break sound barrier during historic test flight today: Watch live 2025-01-27T21:20:21.110Z (Image credit: SpaceX)SpaceX is kicking of the week with an afternoon Falcon 9 launch today from its Space Launch Complex 40 pad Vandenberg Space Force Base. Liftoff is set for 5:05 p.m. EST (2205 GMT), the company said in a statement.SpaceX has until 6:21 p.m. EST (2321 GMT) to launch the Starlink mission, called Starlink 12-7, which will carry 21 new Starlink internet satellites into orbit, 13 of them capable of "direct-to-cell" communications.The Falcon 9 rocket first stage on this mission is making its 20th flight. It previously flew 10 different Starlink missions, eight different commercial satellite missions and a NASA cargo mission to the International Space Station. SpaceX does have a backup launch window available on Tuesday, Jan. 28, at 2:50 p.m. EST (1950 GMT) to launch the mission. 2025-01-24T14:41:02.116Z SpaceX launches 23 Starlink satellites on its 11th Falcon 9 rocket of the year on Jan. 24, 2025. (Image credit: SpaceX)Blink and you miss it sometimes, space fans!SpaceX launched 23 of its Starlink satellites this morning at 9:07 a.m. ET (1407 GMT or 6:07 a.m. PT) from Vandenberg Space Force Base in California.The flight marked SpaceX's 11th Falcon 9 flight of the year so far and saw the rocket's first stage booster return for a landing on the company's Of Course I Still Love You drone ship nearby in the Pacific Ocean. It was the company's 401st successful rocket recovery to date.Read more: SpaceX launches 23 Starlink satellites on

11th Falcon 9 rocket of 2025 (video) 2025-01-22T16:42:48.759Z (Image credit: SpaceX)The next rocket launch for January 2025 will be a SpaceX Starlink mission to launch a new clutch of Starlink V2 Mini internet sastellites into low Earth orbit.The Starlink 11-6 mission is expected to launch on Jan. 24 from Space Launch Complex 4 East at Vandenberg Space Force Base in California. LIftff is set for 8:54 a.m. EST (5:54 a.m. PST/1354 GMT).The launch will mark SpaceX's third flight of the week. The company launched back to back Starlink flights on Tuesday, Jan. 21.SpaceX launched 21 Starlink satellites into orbit at 12:24 a.m. EST on Tuesday from NASA's Kennedy Space Center in Florida, and then followed it 10 hours later with the launch of 27 Starlink satellites from Vandenberg at 10:45 a.m. EST. 2025-01-19T16:21:03.517Z SpaceX had aimed to launch 27 of its Starlink internet satellites to orbit from California's Vandenberg Space Force Base today (Jan. 19). It stood down from that try, however, after halting the countdown clock 11 seconds before liftoff due to a plane entering the launch's airspace.The mission is now targeted to launch Monday (Jan. 20), during a four-hour window that opens at 10:13 a.m. EST (1513 GMT). 2025-01-18T15:30:03.323Z (Image credit: SpaceX)SpaceX will launch a Falcon 9 rocket today carrying 27 Starlink internet satellites in the company's first launch since its Starship Flight 7 test flight. The mission is dubbed as SpaceX's Starlink 11-8. flightThe Falcon 9 will lift off Jan. 18 at 12:03 p.m. EST (1703 GMT/9:03 a.m. PT) from SpaceX's pad at Vandenberg Space Force Base in California.The Falcon 9 first stage on this mission is making its 10th flight. It previously launched seven Starlink missions, the OneWeb 4 mission and the USSF-62 flight for the U.S. Space Force.A webcast will begin on SpaceX's X account and Starlink mission webpage about five minutes before liftoff. 2025-01-16T12:37:28.913Z Starship being stacked on top of SpaceX's Super Heavy booster ahead of the vehicle's Flight Test 7. (Image credit: SpaceX)SpaceX is aiming for another try to launch Starship Flight 7 today.After standing down from previous launch dates, SpaceX has another launch window scheduled to open at 5 p.m. ET (2200 GMT or 4 p.m. local time) to launch Starship on its seventh flight test.As on Starship's two previous test flights, SpaceX will attempt to catch the rocket's Super Heavy booster with the "chopstick" arms on its launch tower. The company also made a number of developmental hardware changes to this Starship vehicle based on previous tests, and will deploy ten Starlink satellite simulators while the upper stage is in flight.Watch Starship Flight 7 launch live on Space.com today courtesy of SpaceX. SpaceX's livestream should begin about 30 minutes before the launch window opens, around 4:30 p.m. EST (2130 GMT). Follow our Starship live blog for more updates as launch time approaches. 2025-01-16T07:41:23.014Z Image 1 of 3Blue Origin's first New Glenn rocket launches toward space on the NG-1 mission from Launch Complex 36 at Cape Canaveral Space Force Station, Florida on Jan. 16, 2025.(Image credit: Blue Origin)Blue Origin launches its first New Glenn rocket from Pad 36 of the Cape Canaveral Space Force Station on Jan. 16, 2025. (Image credit: Blue Origin)Blue Origin employees in Kent, Washington (left) and Huntsville, Alabama, cheer as the company's New Glenn rocket launches for the first time.(Image credit: Blue Origin)Blue Origin successfully launched its first New Glenn rocket into orbit at 2:03 a.m. EST (0703 GMT) on Friday, Jan. 16 in a critical test flight of the massive rocket.The company also attempted to land the first stage of the 320-foot tall New Glenn rocket on the landing barge Jackyln during the test flight, but the landing attempt was not successful."We didn't have booster landing, but man we got close," Blue Origin's Ariane Cornell said after the launch. "We collected so much data."The rocket landing was not a requirement for the the NG-1 test, which was primarily aimed at reaching orbit with its Blue Ring Pathfinder prototype payload, a goal the rocket appears to have achieved smoothly.The New Glenn upper stage and Blue Ring Pathfinder are expected to fly a six-hour flight in orbit before intentionally burning up in Earth's atmosphere. You can follow the mission live online at Blue Origin's mission page and on X.Next up: SpaceX's Starship Flight 7The next rocket launch on the schedule is SpaceX's massive Starship, which is set to launch its Starship Flight 7 test flight today, Jan. 16, at 5 p.m. EST (2200 GMT) from SpaceX's Starbase facility near Boca Chica Beach in South Texas. 2025-01-16T06:50:05.666Z Blue Origin is now targeting 2:03 a.m. EST (0703 GMT) for today's launch of its first New Glenn rocket.You can watch the launch LIVE here. 2025-01-16T06:23:19.350Z Blue Origin has pushed the planned launch of its New Glenn rocket back by 35 minutes, to 1:35 a.m. EST (0635 GMT). You can watch it live here at Space.com. 2025-01-15T12:44:15.702Z SpaceX's Starship Flight 7 Ship and Super Heavy Booster conduct a rehearsal on Jan. 10, 2025 at Starbase in South Texas. (Image credit: SpaceX)SpaceX could make history again today.SpaceX is set to launch the Starship Flight 7 mission at 5 p.m. EST (2200 GMT) today (Jan. 15) from the company's Starbase facility in South Texas.SpaceX plans to attempt to catch the rocket's huge Super Heavy booster at its launch site today. The company was able to do so on Flight 5 in October 2024, but was unable to do so on Starship Flight 6 a month later.You can watch the Starship Flight 7 launch live on Space.com today courtesy of SpaceX. SpaceX's livestream is expected to begin about 30 minutes before the launch window opens, around 4:30 p.m. EST (2130 GMT). Follow our Starship live blog for more updates as launch time approaches. 2025-01-15T06:39:14.701Z A SpaceX Falcon 9 rocket launched two private moon landers — Firefly Aerospace's Blue Ghost and ispace's Resilience — from Florida's Space Coast in the early morning hours of Jan. 15, 2025. Read our launch story here. 2025-01-14T13:32:01.234Z A SpaceX Falcon 9 rocket launches the NROL-167 mission for the U.S. National Reconnaissance Office from Vandenberg Space Force Base in California on Oct. 24, 2024. (Image credit: SpaceX)(Image credit: SpaceX)SpaceX plans to launch over 100 payloads today on a rideshare mission.A SpaceX Falcon 9 rocket is scheduled to launch the Transporter-12 mission at 1:49 p.m. ET (1849 GMT) from Space Launch Complex 4E (SLC-4E) at Vandenberg Space Force Base in California. On board will be 131 different small payloads including 30 that will be attached to orbital transfer vehicles that will release them at a different date and orbit.This will be only the second launch and landing attempt for this particular booster, which previously flew on the NROL-126 mission for the U.S. government in November 2024. After releasing its payloads, the first stage booster will attempt to land at Landing Zone 4 (LZ-4) at Vandenberg Space Force Base.Watch live via SpaceX.com or the company's X account. 2025-01-14T03:01:30.658Z Blue Origin announced on Monday evening (Jan. 13) that it's now targeting early Thursday morning (Jan. 16) for the debut launch of its powerful New Glenn rocket — two days later than the previous "no earlier than" date. The launch is scheduled to occur during a three-hour window that opens at 1 a.m. EST (0600 GMT). 2025-01-14T00:29:29.375Z Blue Origin announced on Monday evening (Jan. 13) that it's targeting early Tuesday morning (Jan. 14) for the debut launch of its New Glenn heavy lifter. The launch is scheduled during a three-hour window that opens at 1 a.m. EST (0600 GMT). 2025-01-13T13:36:51.788Z A SpaceX Falcon 9 rocket launches 23 Starlink satellites to orbit from Florida on Nov. 7, 2024. (Image credit: SpaceX)SpaceX is lining up another launch of its Starlink satellites from Florida today.A SpaceX Falcon 9 rocket is set to take off from Cape Canaveral Space Force Station on Monday (Jan. 13) during a 3.5-hour window that open at 10:08 a.m. EST (1508 GMT). Flying aboard the rocket will be 21 Starlink satellites, including 13 that include SpaceX's new direct-to-cell capability.The first stage booster flying today's mission has flown 14 previous missions including two private missions to the ISS for Houston-based Axiom Space, an ISS resupply mission and eight other Starlink flights, according to a SpaceX mission description.If all goes according to plan, the booster will come down for a landing aboard one of SpaceX's robotic drone ships, A Shortfall of Gravitas, which will be waiting nearby in the Atlantic Ocean. Watch the action live via SpaceX.com or via X. Coverage should begin about five minutes before liftoff. 2025-01-13T08:33:27.126Z Blue Origin's first New Glenn rocket stands on the pad on Jan. 13, 2025, ahead of its planned liftoff that day. The try was eventually scrubbed. (Image credit: Blue Origin)SCRUB! Blue Origin scrubbed the planned Jan. 13 launch of its first New Glenn rocket due to a technical issue. The company has not yet announced a new target date. 2025-01-13T05:57:31.794Z (Image credit: Blue Origin)Blue Origin is now targeting 3:15 am ET (0815 GMT) for the launch of its first New Glenn rocket. Today's launch window closes at 4 a.m. EST (0900 GMT).You can watch the launch LIVE here.Blue Origin is now targeting 2:48 am ET (0748 GMT) for the launch of its first New Glenn rocket. Today's launch window closes at 4 a.m. EST (0900 GMT).Blue Origin is now targeting 2:07 am ET (0707 GMT) for the launch of its first New Glenn rocket. Today's launch window closes at 4 a.m. EST (0900 GMT).Blue Origin is now targeting 1:52am ET (0652 GMT) for the launch of its first New Glenn rocket. Today's launch window closes at 4 a.m. EST (0900 GMT).Blue Origin is now targeting 1:30 am ET (0630 GMT) for the launch of its first New Glenn rocket. The test flight has a three-hour launch window, so could launch anytime between 1:30 am ET and 4 a.m. EST (0900 GMT). 2025-01-13T04:06:05.060Z (Image credit: Blue Origin)Blue Origin is proceeding with fueling its New Glenn rocket for tonight's debut launch of the huge new launch vehicle. You can watch the launch LIVE here at 12 a.m. EST (0500 GMT). New Glenn is still scheduled to launch at 1 a.m. EST (0600 GMT) early Monday, Jan. 13, from Space Launch Complex 36 of the Cape Canaveral Space Force Station in Florida. Blue Origin is watching offshore weahter to ensure good conditions to attempt to land New Glenn's first stage on a barge at sea. 2025-01-12T15:53:52.922Z Blue Origin is watching the weather off shore today as it prepares for an overnight launch of its first New Glenn rocket, which is scheduled to lift off from Space Launch Complex 36 at Cape Canaveral Space Force Station at 1 a.m. EST (0600 GMT) on Monday, Jan. 13.Blue Origin hopes to land first stage of the the 320-foot New Glenn rocket on a landing barge in the Atlantic Ocean during the test flight, but requires good weather at sea for the attempt.Starship Fight 7 launch now Jan. 15SpaceX has also delayed its next giant rocket launch. The company announced late last night that it is now targeting no earlier than Wednesday, Jan. 15, for the launch of its Starship Flight 7 test flight. Liftoff time is still set for 5 p.m. EST (2200 GMT) from SpaceX's Starbase site in South Texas.The company did not give a reason for the delay, which is two days later than Flight 7's initial Jan. 13 launch target.Starship Flight 7 will now launch on the same day as a SpaceX Falcon 9 rocket carrying two private moon landers from Florida. That mission, called Ghost Riders In The Sky, will launch the Blue Ghost moon lander for Firefly Aerospace as part of a NASA commercial lunar payload mission, as well as the Japanese company ispace's Resilience moon lander.Liftoff of the Falcon 9 rocket is scheduled fo 1:11 a.m. EST (0611 GMT) on Jan. 15 from Pad 39A of NASA's Kennedy Space Center in Cape Canaveral, Florida. 2025-01-11T23:02:47.425Z (Image credit: Blue Origin)Blue Origin has pushed the launch of its first New Glenn rocket back by another 24 hours to no earlier than Monday, Jan. 13, at 1 a.m. EST (0600 GMT) due to unsteady seas at the landing zone in the Atlantic Ocean for the rocket's first stage."Sea state conditions are still unfavorable for booster landing. We're shifting our NG-1 launch date by one day to no earlier than January 13. Our three-hour window remains the same, opening Monday at 1 a.m. EST (0600 UTC)," Blue Origin officials wrote in an update today.The delay is the second due to rough seas for landing the New Glenn first stage on Blue Origin's barge Jacklyn.The one-day slip for New Glenn means Blue Origin will now launch its huge new rocket on the same day rival SpaceX aims to launch its megarocket Starship Flight 7 test flight from South Texas. Liftoff of SpaceX's Starship is set for 5 p.m. EST (2200 GMT).Follow our Starship Flight 7 live updates for more coverage. 2025-01-11T14:31:02.249Z (Image credit: Blue Origin)Blue Origin is once again on track to launch its first New Glenn rocket, with liftoff set early Sunday, Jan. 12, at 1 a.m. EST (0600 GMT) from Launch Complex 36 at the Cape Canaveral Space Force Station in Florida.The New Glenn NG-1 launch will be the first-ever flight of the new heavy-lift rocket. It is Blue Origin's first orbital class rocket to fly. The mission should last about six hours.Blue Origin delayed a planned Jan. 10 launch for New Glenn due to rough weather offshore, which could impact the landing attempt of the rocket's reusable first stage on the landing barge Jacklyn. However, the company appears ready to try for launch.A weather forecast from the U.S. Space Force predicts the odds of good weather at launch time as between 85% and 95%.You can watch Blue Origin's New Glenn launch live online, beginning about one hour before launch time at 12 a.m. EST (0500 GMT).SpaceX Starship Flight 7 testSpaceX is two days away from the launch of its Flight 7 Starship test flight, which is scheduled to lift off on Monday, Jan. 13, at 5 p.m. EST (2200 GMT) from the company's Starbase facility in South Texas near Boca Chica Beach.On Friday, Jan. 10, the company conducted a fueling test of the nearly 11 million pounds of liquid methane and liquid oxygen propellant the giant megarocket needs for flight.Flight 7 will test a new version of Starship with 25% more propellant, avionics and flight computer upgrades and and new heat shield and fligth control improvements. The mission will also test the first reflown Raptor engine on the first stage and the attempt to deploy 10 simulated Starlink satellites.Starship and Super Heavy loaded with nearly 11 million pounds of propellant in a launch rehearsal ahead of the seventh flight test pic.twitter.com/aSWDcEGAznJanuary 11, 2025 2025-01-10T16:05:51.721Z (Image credit: SpaceX)SpaceX has been busy in the new year already, and is keeping up the pace with a planned launch of its Starlink satellites today.A Falcon 9 rocket is scheduled to lift off from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida during a 70-minute window that opens at 1:05 p.m. ET (1805 GMT) on Friday (Jan. 10).SpaceX will be sending 21 Starlink satellites to orbit on the flight, including 13 with the company's new Direct to Cell capabilities, enabling mobile devices to connect directly to the ever-growing broadband satellite megaconstellation without other hardware.This mission will be the 25th flight and 14th Starlink mission for this Falcon 9 first stage booster, which previously flew two astronaut missions to the ISS, two ISS resupply runs, and a score of commercial missions. SpaceX will attempt to land the first stage booster on its Just Read the Instructions droneship, waiting nearby in the Atlantic Ocean.You can watch the launch live on SpaceX's website or through its X account. A livestream should begin about five minutes before liftoff. 2025-01-09T17:14:41.023Z (Image credit: U.S. National Reconnaissance Office)Hey, Space Fans! It's only been a day since SpaceX launched 21 Starlink satellites on the Starlink 12-11 mission and the company is already counting down to a new launch.Today, Jan. 9, SpaceX will launch a Falcon 9 rocket carrying the classified NROL-153 payload from Space Launch Complex 4 East at the Vandenberg Space Force Base in California. Liftoff is set for 7:52 p.m. PST (10:52 p.m. EST, 0352 Jan. 10 GMT).NROL-153 will mark SpaceX's first national security flight of 2025 and its fourth mission of the year. It will launch a classified satellite for the U.S. National Reconnaissance Office. A backup launch date is available on Friday, Jan. 10, at 7:34 p.m. PST (10:34 p.m. EST, 0334 GMT).This launch will be the 22nd flight for the Falcon 9 first stage boster on the mission. The rocket is expected to land on the drone ship Of Course I Still Love You in the Pacific Ocean about 8 minutes after liftoff.Blue Origin New Glenn Launch Delayed to Jan. 12Blue Origin's highly anticipated New Glenn launch debut, scheduled for overnight tonight at 1 a.m. EST (0600 GMT) from Florida, has been delayed to no earlier than Sunday, Jan. 12, due to bad weather at sea. That's means a delay of at least two days."We're shifting our NG-1 launch date to no earlier than January 12 due to a high sea state in the Atlantic where we hope to land our booster. Our three-hour window remains the same, opening Sunday at 1 a.m. EST (0600 UTC)," Blue Origin wrote in a mission update on X today. 2025-01-08T15:03:44.426Z (Image credit: SpaceX)Today's rocket launch is official: SpaceX is launching its second Starlink mission of 2025.A SpaceX Falcon 9 rocket will launch 21 Starlink satellites into orbit today at 10:27 a.m. EST (1527 GMT) from the company's pad at NASA's Kennedy Space Center in Florida. You'll be able to watch the launch live via SpaceX's Starlink mission page and the @SpaceX X account.The Starlink 12-11 mission will launch 21 Starlink satellites, 13 of them with direct-to-mobile phone capability to orbit from Launch Complex 39A at the NASA space center. Backup launch windows are available through 2:17 p.m. EST (1917 GMT) today, with more available on Thusday, Jan. 9, starting at 9:59 a.m. EST (1459 GMT).Today's Starlink mission will mark the third flight for the Falcon 9 first tage on the flight. The rocket previously launched the GOES-U weather satellite and another Starlink flight. It is expected to land offshore on the SpaceX drone ship A Shortfall Of Gravitas. 2025-01-07T17:15:05.701Z (Image credit: SpaceX)SpaceX successfully launched its first Starlink mission of 2025 on Monday, Jan. 6, but it's next flight could lift off in just two days.The next rocket launch on our schedule is SpaceX's Starlink 12-11 launch, which is expected to fly on Wednesday, Jan. 8, at 10:24 a.m. EST (1524 GMT) from Pad 39A of NASA's Kennedy Space Center in Florida. SpaceX has not yet announced the launh, but Spaceflight Now and other launch trackers have it as pending.Blue Origin, meanwhile, has announced that its first New Glenn rocket will launch on Friday, Jan. 10, at 1 a.m. EST (0600 GMT) on its debut flight. The mission, called NG-1, is a serving as a qualification flight for national security missions on the new rocket. SpaceX is also expected to launch its Starship Flight 7 test flight as early as Jan. 10, but that date could slip into the weekend. 2025-01-06T12:38:44.457Z A SpaceX Falcon 9 rocket carrying the company's Starlink satellites launches on June 8, 2024 from Space Launch Complex 40 at Cape Canaveral Space Force Station in Florida. (Image credit: SpaceX)SpaceX's first Starlink satellite launch is set for today, kicking off what should be another busy year for the broadband internet megaconstellation.A SpaceX Falcon 9 rocket is poised to launch 24 Starlink satellites today (Jan. 6) during a three-hour window that opens at 12:21 p.m. ET (1721 GMT). The rocket will take off from Space Launch Complex 40 (SLC-40) at Cape Canaveral Space Force Station in Florida. A backup window is available on Tuesday (Jan. 7).This flight will be the 17th time this first stage booster has launched. It previously flew on the Crew-5 astronaut mission to the ISS for NASA, a space station resupply mission, a GPS satellite launch for the U.S. Space Force, and nine other Starlink launches. After it sends its second stage to orbit, the booster will attempt to land on SpaceX's Just Read the Instructions droneship, stationed nearby in the Atlantic Ocean.You can watch the launch live on SpaceX's mission page and on the @SpaceX X site. 2025-01-03T15:05:04.864Z (Image credit: SpaceX)SpaceX's first launch of 2025 is officially on track to launch tonight, Friday, Jan. 3, to kick off an ambitious year for the company. A Falcon 9 rocket will launch the Thuraya 4 commnunications satellite mission for the UAE company Space42 and Yahsat, which is part of Space42.Liftoff of the Falcon 9 rocket is set for 8:27 p.m. EST (0127 Jan. 4 GMT) from Space Complex 40 at Cape Canaveral Space Force Station in Florida. SpaceX has a 4-hour window in which to launch the mission, so it could lift off as late as 12:27 a.m. EST (0527 GMT). A backup launch date is available on Saturday night (Jan. 4), SpaceX says.You'll be able to watch the launch live on SpaceX's Thuraya 4 mission page and on the @SpaceX X site.While this is SpaceX's 1st launch of 2025, it's not the first flight for the Falcon 9 rocket's first stage. The booster will make its 20th launch and landing on this mission, and is expected to land just over 8 minutes after launch on SpaceX's drone ship A Shortfall Of Gravitas in the Atlantic Ocean. 2025-01-02T15:26:43.827Z The first SpaceX launch of 2025 is now tentatively set for no earlier than Friday, Jan. 3, at 8:27 p.m. EST (0127 GMT on Jan. 4) from Cape Canaveral Space Force Station in Florida according to Spaceflight Now. That's one day later than previously expected based on a Launch Weather Forecast from the 45th Space Wing and U.S. Space Force.SpaceX has not yet listed the launch on its launch schedule, so stay tuned for any new launch date updates. 2024-12-31T17:16:18.704Z With SpaceX's successful Dec. 30 launch of 21 Starlink satellites, the launch year for 2024 is all wrapped up. So let's look ahead to the first launches of 2025 for your planning. I've sourced these launch dates from rocket watches across the internet, including Spaceflight Now and others.Next Launch:The next rocket launch will be a SpaceX Falcon 9 rocket scheduled to launch on Jan. 2. The mission will launch the Thuraya 4 communications satellite for the United Arab Emirates company Yahsat. Liftoff is set for 12 a.m. EST (0500 GMT), so that means it is an overnight launch. Call it some late New Year's Ever rocket launch fireworks.SpaceX Starlink launch on Jan. 5: SpaceX is also expected to launch its next Starlink satellite mission on Jan. 5 from Cape Canaveral Space Force Station at 12:10 p.m. EST (1710 GMT).Blue Origin New Glenn launch on Jan. 6? Blue Origin's first New Glenn rocket is assembled and nearly ready for its launch debut. Currently, a launch is expected for no earlier than Jan. 6 from Blue Origin's pad at Cape Canaveral Space Force Station, but this scheduled could change as it's a new launch vehicle.Spacex Starship Flight 7: SpaceX's next Starship test flight is also exppected in early January, possibly on Jan. 10 or Jan. 11 from the company's pad at its Starbase facility in South Texas near Boca Chical beach. The company has typically targeted launches in the early am, but did launch Flight 6 at 5 p.m. ET in November.So it's going to be a pretty busy start to the 2025 launch year, Space Fans. We'll have our next update to confirm the SpaceX YahSat launch on Jan. 1. 2024-12-30T17:22:43.037Z (Image credit: SpaceX)The next rocket launch we're tracking will be SpaceX's final Falcon 9 launch of the year, a Starlink satellite mission launching from Pad 39A of NASA's Kennedy Space Center.That SpaceX Starlink mission is scheduled to launch at 12:39 a.m. EST (0539 GMT) on Monday, Dec. 31. As always, you'll be able to watch it live online at SpaceX's mission website and the SpaceX X page.SpaceX's Starlink 12-6 mission will launch 21 Starlink satellites into orbit and mark the company's 134th Falcon rocket launch of the year. It will be the 16th flight for the Falcon 9 first stage booster on the flight. 2024-12-30T17:19:33.087Z (Image credit: ISRO)The India Space Research Organisation has successfully launched its twin Space Docking Experiment satellites to kick off a first-ever docking test for the country.The launch occurred on time at 11:30 a.m. EST (1630 GMT), though it was 10 p.m. Monday evening at its Satish Dhawan Space Centre launch site. Read our full updated wrap story. 2024-12-30T16:00:04.384Z (Image credit: ISRO)India's Space Docking Experiment is just about 30 minutes from liftoff as the Indian Space Research Organisation prepares for its final launch of 2024.Liftoff is set for 11:30 a.m. EST (10 p.m. IST, 1630 GMT) from India's Satish Dhawan Space Centre. You'll be able to watch it live online via YouTube here. 2024-12-30T04:13:02.530Z SpaceX's planned Starlink satellite launch at midnight tonight has been rescheduled for Tuesday, Dec. 31.The Starlink 12-6 mission was scheduled to launch 21 Starlink satellites into orbit from Pad 39A of NASA's Kennedy Space Center at 12 a.m. EST (0500 GMT). However, SpaceX has changed the time. It will now launch on Dec. 31 at 12:34 a.m. EDT (0534 GMT), with a backup launch time available at 1:28 a.m. EST (0628 GMT).That means the next rocket launch will now be the Space Docking Experiment launch by India on Monday, Dec. 30. That mission also has a slightly new launch time.The India Space Research Organisation will launch the two-satellite SpaDeX mission, as it's called, at 11:30 a.m. EST (10 p.m. IST, 1630 GMT). That's 2 minutes later than the previously announced launch time."Tonight at precisely 10:00:15 PM, PSLV-C60 with SpaDeX and innovative payloads are set for liftoff," ISRO officials wrote on the social media site X. SpaDeX (Space Docking Experiment) is a pioneering mission to establish India's capability in orbital docking, a key technology for future human spaceflight and satellite servicing missions." Launch Day is Here! Tonight at precisely 10:00:15 PM, PSLV-C60 with SpaDeX and innovative payloads are set for liftoff.SpaDeX (Space Docking Experiment) is a pioneering mission to establish India's capability in orbital docking, a key technology for future human… pic.twitter.com/147ywcLP0fDecember 30, 2024 2024-12-29T15:44:45.748Z (Image credit: SpaceX)SpaceX will close out its 2024 launch schedule overnight tonight with its third launch in 3 days, this time to launch 21 new Starlink internet satellites into orbit."Up next, Falcon 9 is set to lift off from pad 39A in Florida for our final launch of 2024," SpaceX wrote on X.SpaceX's last launch of the year is scheduled to lift off early Monday, Dec. 30, at 12 a.m. EST (0500 GMT). You can watch the launch on SpaceX's X account and mission page starting about 15 minutes before liftoff.The Starlink mission, called Starlink 12-6, will off from Launch Complex 39A at NASA's Kennedy Space Center in Cape Canaveral Florida. It will be the 16th launch for the Falcon 9 rocket first stage ooster on the mission. Backup launch windows are availale at 3:28 a.m. EST (0828 GMT) and on Dec. 31 at 12 a.m. EST.The next launch after SpaceX's Starlink will be anIndian Space Research Organisation Polar Satellite Launch Vehicle, which is scheduled to launch on Monday, Dec. 30, at 11:28 a.m. EST (9:58 p.m. IST, 1628 GMT). It will fly the SpaDeX mission to test autonomous rendezvous and docking technology, and is also carrying 24 other science payloads for ISRO, universities and companies aboard its Poem-4 module. 2024-12-28T18:09:11.787Z (Image credit: Astranis)SpaceX is planning two rocket launches in the next 12 hours, one from California and the other from Florida.The first launch is a Falcon 9 rocket launching Saturday, Dec. 28, from Space Launch Complex 4 East at Vandenberg Space Force Base in California at 5:48 p.m. PST (8:48 EST, 0148 GMT). You can watch the launch on SpaceX's X account and mission page starting about 15 minutes before liftoff.This mission, called Starlink 11-3, will launch 22 new Starlink internet satellites into orbit for SpaceX's growing megaconstellation. It will be the 16th flight for the Falcon 9 first stage on the mission, with SpaceX hoping to recover the stage by landing it on the drone ship Of Course I Still Love You shortly after launch. Previous missions include 12 Starlnk launches, a Transporter-11 rideshare flightthe SARah-2 and SDA-0A satellite missions.The second launch by SpaceX will actually launch on Sunday, Dec. 29, but the liftoff time is at 12 a.m. EST (0500 GMT), a midnight launch for the flight. You can watch the launch on SpaceX's X account and mission page starting about 15 minutes before liftoff.This mission is called the "Astranis: From One to Many" and will launch four small "MicroGEO" communications satellites to provide connectivity on Earth for a variety of customers. Two satellites will provide in-flight connectivity for clients of Colorado-based Anuvu, one will serve a customer in the Philippines, and Astranis will use the fourth satellite as a so-called "UtilitySat for different clients.This is SpaceX's second attempt to launch the Astranis mission. A Dec. 21 launch try ended in an abort at the T-0 mark.That's it for the rocket launches scheduled for today.NOTE: SpaceX is also planning to launch another 21 Starlink satellites, this time from Florida, on Monday, Dec. 30, at 12 a.m. EST, so we'll have an update on that one tomorrow. ALSO: An Indian Space Research Organisation Polar Satellite Launch Vehicle is scheduled to launch the new SpaDeX to test autonomous rendezvous and docking technology. It is also carrying 24 other science payloads for ISRO, universities and companies aboard its Poem-4 module. ISRO's SpaDeX is scheduled for Monday, Dec. 30, at 11:28 a.m. EST (9:58 p.m. IST, 1628 GMT). Sat Jul 26, 2025 09:01 UTC SLC-40, Cape Canaveral SFS, Florida, USA Sun Jul 27, 2025 03:55 UTC SLC-4E, Vandenberg SFB, California, USA Sun Jul 27, 2025 10:00 UTC LC-9A, Taiyuan Satellite Launch Center, China All Launches SpaceX Rocket Lab Blue Origin ULA Arianespace ISRO Roscosmos Jul 25, 2025 | NASASpaceflight.com Jul 25, 2025 | NASASpaceflight.com Jul 24, 2025 | NASASpaceflight.com All Articles Google Play and the Google Play logo are trademarks of Google LLC. App Store is a service mark of Apple Inc. Scrub recap: Scroll down to review live updates from the Monday, July 21, late-countdown scrub of a SpaceX Falcon 9 launch attempt from Cape Canaveral on an SES O3b mPOWER mission.Original story: SpaceX is targeting an afternoon-rush-hour Falcon 9 rocket launch today from Cape Canaveral Space Force Station — but the stormy, cloud-shrouded forecast only projects 50-50 odds of favorable launch weather.Welcome to FLORIDA TODAY Space Team live coverage of today's SpaceX mission. Target launch time is now 5:27 p.m. The Falcon 9 will ascend due east from Launch Complex 40, then deploy two SES O3b mPOWER satellites in medium-Earth orbit. However, the Space Force's 45th Weather Squadron forecast only calls for 50% odds of "go for launch" weather, citing potential development of showers and thunderstorms near the Cape powerful enough to pack wind gusts of 40 mph to 50 mph.Primary meteorological concerns: anvil clouds, cumulus clouds and surface electric fields.No Brevard County sonic booms should occur during today's mission. Rather, the rocket's first-stage booster will target landing aboard a SpaceX drone ship out at sea 8½ minutes after liftoff.Update 5:52 p.m.: A tweet from SpaceX: "Standing down from today’s launch of the @SES_Satellites O3b mPOWER mission and now targeting tomorrow, July 22 for liftoff. Vehicle and payload remain healthy"Tuesday's two-hour launch window opens at 5:12 p.m.Update 5:47 p.m.: This mission's backup opportunity is a two-hour launch window that opens at 5:12 p.m. Tuesday.However, minutes after the last-second scrub, SpaceX has yet to make a scheduling announcement.The 45th Weather Squadron only forecast 25% odds of favorable weather during Tuesday's backup launch window, citing cumulus clouds, anvil clouds and lightning.Update 5:34 p.m.: Here's what we know: During SpaceX's webcast, a launch director announced, "T-minus 15 seconds" — quickly followed by "hold, hold, hold."Then the SpaceX countdown clock stopped at the 11-second mark.Update 5:27 p.m.: Scrub! SpaceX crews just called a "hold" on the liftoff with only 11 seconds remaining in the countdown.Update 5:20 p.m.: Seven minutes before SpaceX's Falcon 9 lifts off, the countdown appears to be proceeding as planned. Rocket fueling remains well underway at Launch Complex 40.Following is a list of key remaining countdown milestones. T-minus:7 minutes: Falcon 9 begins engine chill prior to launch.1 minute: Command flight computer begins final prelaunch checks; propellant tank pressurization to flight pressure begins.45 seconds: SpaceX launch director verifies “go for launch.”3 seconds: Engine controller commands engine ignition sequence to start.0 seconds: Falcon 9 liftoff.Update 5:13 p.m.: SpaceX's launch webcast is now posted above, right below our countdown clock.Liftoff is scheduled in 14 minutes from Cape Canaveral Space Force Station.Update 5:05 p.m.: Today's mission will mark the Falcon 9 first-stage booster’s sixth flight, SpaceX reported.The booster previously flew the O3b mPOWER-E, Crew-10, Bandwagon-3 and two Starlink missions. Following stage separation, crews expect the booster to land on the SpaceX drone ship Just Read the Instructions in the Atlantic Ocean 8 minutes, 35 seconds after liftoff.Update 4:56 p.m.: Falcon 9 fueling procedures are now underway at Launch Complex 40, SpaceX just announced.That means SpaceX's SES O3b mPOWER mission countdown is locked in to lift off at 5:27 p.m. without any delays, or else today's launch must be postponed to a later date.Update 4:49 p.m.: In a schedule change, SpaceX has pushed back the target launch time to 5:27 p.m.NASA's Kennedy Space Center just announced that the Phase II lightning warning has been terminated for midcourse areas, indicating that weather conditions are improving.Update 4:38 p.m.: SpaceX is targeting 5:22 p.m. for liftoff, with additional opportunities available until 7:19 p.m.Update 4:25 p.m.: SpaceX's upcoming Falcon 9 launch will clock in as the 62nd orbital rocket launch thus far during 2025 from Cape Canaveral Space Force Station and NASA's Kennedy Space Center.This cadence is trending fast enough to reach 100 annual orbital rocket launches for the first time from Florida's Space Coast.In the Cape's 61st liftoff this year, a SpaceX Falcon 9 rocket launched 24 Amazon Project Kuiper internet satellites into low-Earth orbit Wednesday from Cape Canaveral Space Force Station.Click here for the FLORIDA TODAY Space Team's updating tally listing all of this year’s missions, complete with photo galleries and story links.Update 4:15 p.m.: In a tweet this afternoon, SES officials reminded space fans that SpaceX's mission livestream will begin about 15 minutes before liftoff.We'll post the SpaceX webcast right below our countdown clock after it goes live.Update 4:05 p.m.: Brevard County Emergency Management officials have activated the agency's launch operations support team ahead of SpaceX’s upcoming Falcon 9 launch.Update 3:55 p.m.: Kennedy Space Center Visitor Complex officials are advertising $99 SpaceX SES O3b mPOWER viewing tickets for bleachers at The Gantry at LC-39, a newly revamped attraction area just more than three miles from Launch Complex 40.Update 3:45 p.m.: More details from the 45th Weather Squadron's forecast for today's SpaceX launch try:"The exit of (a high-pressure ridge) will allow seasonal moisture to return to the area and may helpdevelop afternoon/evening showers and thunderstorms near the area during the primary launch window," the forecast said."Some storms may be strong enough to produce wind gusts of 40-50 mph," the forecast said.Update 3:30 p.m.: An angry batch of storms is striking coastal Volusia County north of Cape Canaveral, triggering a National Weather Service flood advisory until 4 p.m. just north of Daytona Beach.Meanwhile, Phase I lightning alerts — which warn that lightning is forecast within five nautical miles within a 30-minute lead time — are in effect until 6 p.m. across Cape Canaveral Space Force Station and NASA's Kennedy Space Center.Both facilities are under a thunderstorm watch until 9 p.m.For the latest news and launch schedule from Cape Canaveral Space Force Station and NASA's Kennedy Space Center, visit floridatoday.com/space. Another easy way: Click here to sign up for our weekly Space newsletter.Rick Neale is a Space Reporter at FLORIDA TODAY. Contact Neale at Rneale@floridatoday.com. Twitter/X: @RickNeale1Space is important to us and that's why we're working to bring you top coverage of the industry and Florida launches. Journalism like this takes time and resources. Please support it with a subscription here. Last updated July 1, 2024 This Cookie Policy explains how Launch Credit Union ("Company", "we", "us", and "our") uses cookies and similar technologies to recognize you when you visit our website at launchcu.com ("Website"). It explains what these technologies are and why we use them, as well as your rights to control our use of them. In some cases we may use cookies to collect personal information, or that becomes personal information if we combine it with other information. What are cookies? Cookies are small data files that are placed on your computer or mobile device when you visit a website. 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Please therefore re-visit this Cookie Policy regularly to stay informed about our use of cookies and related technologies. The date at the top of this Cookie Policy indicates when it was last updated. CA Falcon 9 Heliophysics SpaceX USA Vandenberg SFBNASA’s Tandem Reconnection and Cusp Electrodynamics Reconnaissance Satellites (TRACERS) mission, consisting of two identical satellites that will orbit Earth in tandem (one following the other), will help understand magnetic re-connection and its effects in Earth’s atmosphere. Magnetic re-connection occurs when activity from the Sun interacts with Earth’s magnetic field. By understanding this process, scientists will be able to better understand and prepare for impacts of solar activity on Earth.Ionosfera is a constellation of four ionospheric and magnetospheric research satellites developed by for Roscosmos for the project Ionozond.The satellites will operate on circular sun-synchronous orbits (SSO), at altitude of about 800 km and located in two orbital planes of two satellites each. The following science instruments are carried on the satellites:* SPER/1 Plasma and energy radiation spectrometer* SG/1 Gamma-ray spectrometer* GALS/1 Galactic cosmic ray spectrometer / 1* LAERTES On-board Ionosonde* NBK/2 Low-frequency wave complex* ESEP Ionospheric plasma energy spectrometer* Ozonometer-TM Ozonometer* MayaK On-board radio transmitters* PES GPS-GLONASS deviceArianespace Earth Science French Guiana Guiana Space Centre Vega-CCO3D is a CNES-Airbus Defence & Space constellation of four small satellites designed to map the globe in 3D from low Earth to serve public and private sector needs. Microcarb is a small satellite designed to map sources and sinks of carbon dioxide (CO_2)—the most important greenhouse gas — on a global scale.

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