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Rocket launch live schedule

LAST UPDATED January 5: These dates may change and will be updated throughout the year as tighter dates emerge. Please do not schedule travel according to a date you see here. Launch dates collected from Nasa, ESA, Roscosmos, Spaceflight Now and others. Watch NASA webcasts and other live streams on our Watch Live page and you can see our night sky webcasts here. Find out what's happening in the night sky this month with our guide to visible planets and our sky observation forecast. Wondering what happened in space history today? Take a look at our Today in Space video program!January 6: Northrop Grumman's Cygnus NG-14 cargo resupply spacecraft will leave the International Space Station and burn up in the Earth's atmosphere. Space station astronauts will use the Canadarm2 robotic arm to remove cygnus from the station at 10:10 a.m EST (1410 GMT). Watch it liveJan. 7: The SpaceX Falcon 9 rocket belonging to Turkish satellite operator Türksat is planned to launch the Türksat 5A communications satellite. It will take off from Cape Canaveral Space Force Station in Florida through a four-hour launch window starting at 8:28 p.m. .m. EST (January 0128, 8 GMT). Watch it liveJan. 10: Virgin Orbit's LauncherOne rocket will make its second demonstration flight after air fell from an aircraft carrierjet that was due to take off from the Mojave Air and Space Port in California. The test is scheduled .m during a four-hour launch at 1p. EST (1800 GMT). January 11: SpaceX's Dragon CRS-21 cargo resupply spacecraft departs the International Space Station at 9:25 a.m EST (1325 GMT) and returns to Earth for a parachute-assisted jump in the Atlantic Ocean. Watch it liveJan. 13: The new moon arrived at midnight EST (0400 GMT). January 14: A SpaceX Falcon 9 rocket will launch the Transporter 1 rideshare mission with dozens of small satellites for commercial and government customers. It will take off from Cape Canaveral Space Force Station in Florida. 21: The moon, Mars and Uranus will make a close approach in the evening sky. The trio will be over the southwest horizon after sunset. January 23: Mercury's largest neste is in the east. The innerest planet will reach the largest eastern divide from the sun, shining brightly at -0.7 kadir. Catch the difficult planet above the western horizon shortly after sunset.January 27: Mercury reaches its highest point in the evening sky, shining brightly at -0.7 kadir. See just above the southwest horizon after sunset. January 28: Full Moon, known as Dolunkurt Moon, arrived at 2:16 p.m EST (1916 GMT). Also scheduled to launch in January (Spaceflight Now):A SpaceX Falcon 9 rocket will launch about 60 satellites for SpaceX's Starlink broadband network, a mission called Starlink 16. Florida to depart from Cape Canaveral Space Force Station.February 11: New moon 2:06 p.m. EST (1906 GMT)February 15: A Russian Soyuz rocket Progress 77P will launch cargo resupply Baykonur Cosmodrome in Kazakhstan to the International Space Station. Watch liveFeb. 18: A combination of the moon and Mars. Sunst one day before reaching the first quarter stage, the waxing crescent moon will swing about 4 degrees south of Mars in the evening sky.Feb. 20: Northrop Grumman will use an Antares rocket to launch a Cygnus NG-15 cargo resupply spacecraft to the International Space Station. This Virginia will take off from NASA's Wallops Flight Facility, at 12:36 p.m EST (1736 GMT). Watch liveFeb. 25: A Russian Soyuz rocket will launch 36 satellites into orbit for the oneWeb internet constellation. It will take off from the Vostochny Cosmodrome in Siberia. February 26: The United Launch Alliance Atlas V rocket launches the STP-3 rideshare mission for the U.S. Space Force. It will take off from Cape Canaveral Space Force Station in Florida.Feb. 27: Full Moon, Known as Full Moon, 3:17 a.m. EST (0817 GMT)28 February: Mercury reaches its highest point in the morning sky, its size glowing brightly at 0.1. Catch the innerest planet on the eastern horizon shortly before sunrise. Also scheduled to launch in February (Spaceflight Now):Arianespace will use an Ariane 5 ECA rocket, named VA254, to launch Guiana Spaceport Star One D2 and Eutelsat Quantum communications satellites near Kourou, French Guiana.India Polar Satellite Launch Vehicle (PSLV-C51) will launch the Amazônia 1 Earth observation satellite for Brazil. It will take off from the Satish Dhawan Space Center in Sriharikota, India. March 4: Arianespace will use an Ariane 5 ECA rocket, designated VA254, to launch Guiana Spaceport Star One D2 and Eutelsat Quantum communications satellites near Kourou, French Guiana.March 6: Mercury is in the west of the great uzama. The innerest planet will reach the largest western separation from the sun, with 0.1 power shining brightly. Catch the hard-to-understand planet above the eastern horizon shortly before sunrise. March 9: A combination of moon and Saturn. The declining crescent moon will swing in the dawn sky about 4 degrees south of Saturn. March 10: A combination of the moon and Jupiter. The declining crescent moon will swing about 4 degrees in the dawn sky south of Jupiter. March 13: The new moon arrived at 05:21.m EST (1021 GMT). March 19: A combination of the moon and Mars. The crescent moon in the net will swing about 2 degrees south of Mars in the evening sky. March 20: Vernal Equinox. Today is the first day of spring in the Northern Hemisphere and the first day of autumn in the Southern Hemisphere.14 March: Daylight Time begins. Turn your .m clocks forward at 2:00 a.m. local time. March 28: Full Moon, Known as Dolunsolucan Moon, arrived at 2:48 p.m EDT (1817 GMT). March 28: Venus has reached its greatest brightness in the evening ghost of 2021, glowing at -3.9-qase brightness. Capture the planet just above the western horizon Sunset. March 29: The United Launch Alliance Atlas V rocket launches Boeing's CST-100 Starliner spacecraft on its second crewless mission to the International Space Station following a partial failure in December 2019. Orbital Flight Test 2 mission will take off from Cape Canaveral Space Force Station, Florida. March 30: SpaceX launches the second operational flight of its own Crew Dragon spacecraft to the International Space Station. Crew-2 mission flying NASA astronauts Shane Kimbrough and Megan McArthur, JAXA astronaut Akihiko Hoshide and ESA astronaut Thomas Pesquet.Also scheduled to launch in March (Spaceflight Now): A U.S. Air Force and a mission called the Northrop Grumman Minotaur 1 rocket nrol-111 will launch a secret spy satellite for the U.S. National Reconnaissance Office. This Wallops Island will take off pad 0B at NASA's Wallops Flight Facility, virginia.A United Launch Alliance Atlas V rocket will launch the USSF-8 mission for the Space Force's Geosynchronous Space Situational Awareness Program (GSSAP). Florida.A SpaceX Falcon 9 rocketCape Canaveral Space Force Station Space Launch Complex 41 will take off, launching a Dragon cargo resupply mission (CRS-22) to the International Space Station. Florida.India's Geosynchronous Satellite Launch Vehicle Mk. 2 (designated GSLV-F10) will launch India's first GEO Imaging Satellite, or GISAT 1, departing from Cape Canaveral Space Force Station. The India.An Arianespace Vega rocket, which will take off from the Satish Dhawan Space Center in Sriharikota, will launch the Pléiades Neo 1 Earth observation satellite for Airbus, designated VV18, and load multiple boarding share. The mission will take off from Guiana Spaceport near Kourou, French Guiana.April 6: A combination of the moon and Saturn. The declining crescent moon will swing in the dawn sky about 4 degrees south of Saturn. April 7: A combination of the moon and Jupiter. The declining crescent moon will swing about 4 degrees in the dawn sky south of Jupiter. April 10: A Russian Soyuz rocket launches its crewed Soyuz MS-18 spacecraft to the International Space Station along with Russian cosmonauts Oleg Novitsky, Pyotr Dubrov and Andrei Borisenko. It will take off from the Baykonur Cosmodrome in Kazakhstan.11 April: The new moon comes at 10:31 p.m. EDT (0231 April 12 GMT). April 17: Lunar olegation of Mars. The crescent moon on the network will briefly pass in front of the planet Mars for skywatchers in parts of Asia. Elsewhere on Earth, the moon will make a close approach to Mars. After sunset, look for the couple above the western horizon. April 21-22: Peaks of the Lyrid meteor shower. April 26: Full Pink Moon, known as Full Moon April, full moon, arrived at 11:32 p.m. EDT (0332 April 27 GMT). May 3: A combination of the moon and Saturn. The last quarter moon will swing about 4 degrees south of Saturn in the dawn sky. May 4: A combination of the moon and Jupiter. Descending The moon will swing about 4 degrees in the dawn sky south of Jupiter. May 4: Star Wars Day. (May the fourth party be with you.) May 4-5: Peaks of the Eta Aquarid meteor shower. May 11: The new moon arrived at 3 p.m. EDT (1900 GMT). May 15: Mercury reaches its highest point in the evening sky, glowing brightly at 0.3 kadir. See just above the western horizon just after sunset. May 16: A combination of the moon and Mars. The crescent moon in the net will swing about 2 degrees south of Mars in the evening sky. May 17: Mercury's greatest uzama is in the east. The innerest planet will reach the largest eastern divide from the sun. Catch the hard-to-understand planet on the western horizon shortly after sunset. May 26: Full Moon May, Full Moon, known as Full Moon, arrived at 7:14 .m. EDT (1114 GMT). The total lunar eclipse, also known as the Bloody Moon, will be visible from Australia, the west of the United States, the west of South America and Southeast Asia.May 30: A combination of the moon and Saturn. The dwindling gibbous moon will swing about 4 degrees south of Saturn in the dawn sky. Also scheduled to launch in March (Spaceflight Now): A SpaceX Falcon 9 rocket will launch a Dragon cargo resupply mission (CRS-22) to the International Space Station. This will take off from Cape Canaveral Space Force Station in Florida. June 1: Combination of moon and Jupiter. Just a day before reaching its final quarter stage, the declining gibbous moon will swing about 5 degrees south of Jupiter in the dawn sky. June 10: The new moon arrived at 06:53 a.m. EDT (1053 GMT). June 10: A solar eclipse, also known as a ring of fire, is visible from parts of Russia, Greenland and northern Canada. Skywatchers in North Asia, Europe and the US will see a partial eclipse. June 13: A combination of the moon and Mars. The crescent moon in the net will swing about 3 degrees south of Mars in the evening sky. June 20: Solstice 11:16 p.m. EDT (June 0316, 21 GMT), summer first day in the Northern Hemisphere and first day of winter in the Southern Hemisphere marked. June 24: Full Moon, known as Dolunchilek Moon, arrived at 2:40 p.m EDT (1940 GMT). June 27: A combination of moon and Saturn. The dwindling gibbous moon will swing about 4 degrees south of Jupiter in the dawn sky. Also scheduled to launch in June (Spaceflight Now): Boeing is planning to launch its Starliner spacecraft's first crewed test flight, which will send Boeing astronaut Chris Ferguson and NASA astronauts Mike Fincke and Nicole Mann to the International Space Station on an Atlas V rocket. The mission will take off from Cape Canaveral Space Force Station in Florida. July 5: Happy aphelion day! The earth is farthest from the sun today. July 9th: It reaches its highest point in the morning sky, shining brightly at magnitude 0.3. Just above the southeast horizon just before sunrise. July 10: New moon 9:16 p.m EDT (0116 July 11 GMT)12 July: The combination of moon and Venus has arrived. The crescent moon venus in the network will pass about 3 degrees north of July 23: July full moon, Full Buck Moon, known as full moon, arrived at 10:37 p.m EDT (1437 GMT). July 24: A combination of moon and Saturn. The last quarter moon will swing about 4 degrees south of Saturn in the dawn sky. July 25: A combination of the moon and Jupiter. The declining crescent moon will swing about 4 degrees in the dawn sky south of Jupiter. More coming 2021 ... Q1: A Rocket Lab Electron rocket will launch the first mission of a new launch pad in Wallops Island, Virginia Mid-Atlantic Regional Spaceport. The U.S. Air Force's Space Test Program will launch an experimental mission called monolith, carrying a spacecraft. Early 2021: India's Small Satellite Launch Vehicle (SSLV) sriharikota satish will launch its first orbital test flight from the Dhawan Space Center, India.Q2: A United Launch Alliance Delta IV Heavy rocket will launch a secret spy satellite for the U.S. National Reconnaissance Office. The mission, titled NROL-82, will take off from Florida.Q2 Cape Canaveral Space Force Station: A SpaceX Falcon Heavy rocket will launch a USSF-44 mission for the U.S. Air Force. The mission will take off from NASA's Kennedy Space Center in Florida and is expected to deploy two undisclosed payloads into geosynchronous orbit. Q2: The Combined Launch Alliance Atlas V rocket will launch the U.S. military's fifth Space-Based Infrared System Geosynchronous satellite, or SBIRS GEO 5, from florida.Mid-2021 Cape Canaveral Space Force Station: An Arianespace Soyuz rocket will launch two satellites for Europe's Galileo navigation constellation. It will take off from the Guiana Space Center near Kourou, French Guiana. Mid-2021: An Arianespace Vega C rocket will launch an LARES 2 satellite for the Italian space agency. It will take off from the Guiana Space Center near Kourou, French Guiana. Mid-2021: A Russian Soyuz rocket will launch the Progress 78P cargo supply vehicle from the Baykonur Cosmodrome in Kazakhstan. 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