



the Space Place Calendar

June 2014 - June 2015



A large cumulonimbus cloud forms over Camargo, IL, heralding stormy conditions. The new GOES-R series of weather satellites will help to give people more warning time to seek shelter from tornadoes. Play "Satellite Insight" and learn more about the amazing new GOES-R series at spaceplace.nasa.gov/satellite-insight.

Photo Credit: Melinda Swinford

JUNE 2014

spaceplace.nasa.gov

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 1	2 On this calendar .../means spaceplace.nasa.gov/	3 3	4 Cheese Day. Don't let the cheese stand alone. Use it in "Asteroid Potatoes." .../asteroid-potatoes	5 5 FIRST QUARTER World Environment Day. Take a look at Earth's many environments. .../gallery-earth/#geography	6 6	7 7
8 Astronomer Gian Cassini born in 1625. Play "Cassini Commander" as part of the "Solar System Explorer" game! .../solar-system-explorer	9 9	10 10	11 11	12 12 FULL MOON The first roller coaster opened, 1884. How does a roller coaster work? Build a "Newtonian Physics Machine" and find out. .../momentum	13 13	14 14 In 1983, Pioneer 10 passed by the orbit of Neptune—the furthest orbit in the Solar System at the time. Now others are leaving the solar-system! .../voyager-to-the-stars
15 15 Father's Day. Compete with Dad by playing "Satellite Insight." See who can survive the longest. .../satellite-insight	16 16	17 17	18 18 Sally Ride was first U.S. woman in space, 1983. Women can do anything in NASA. Check out Space Place Live! .../space-place-live	19 19 LAST QUARTER	20 20	21 21 This might be a good day to play "Beat the Heat!" .../beat-the-heat Summer Solstice (Summer begins)
22 22	23 23	24 24	25 25	26 26	27 27 NEW MOON	28 28
29 29	30 30 A comet or asteroid exploded over Siberia this day in 1908. Was it an even bigger one that killed all the dinosaurs? .../comet-ocean					

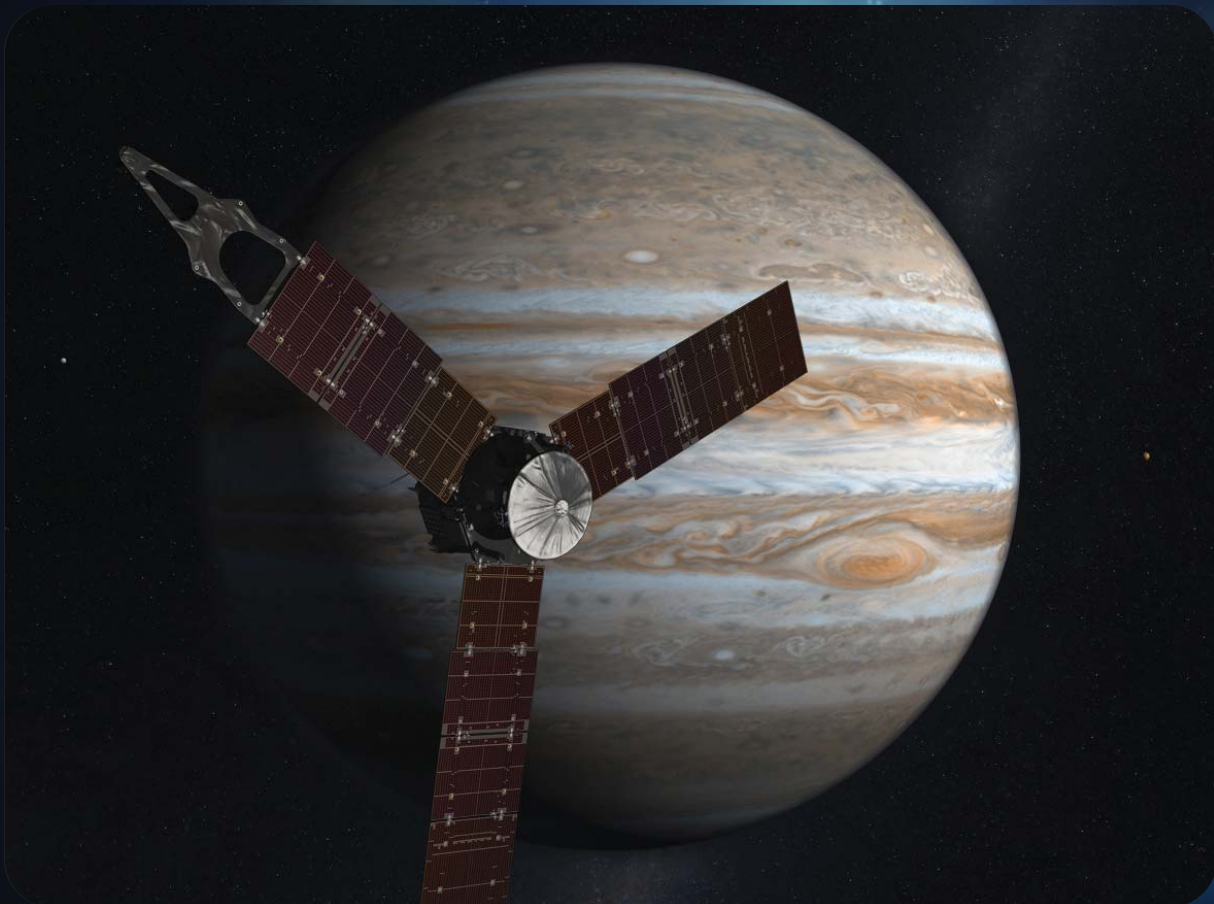


Image Credit: Lockheed Martin Corp./NASA/JPL-Caltech

NASA's Juno mission will arrive at Jupiter in July 2016. It will study the giant planet's magnetic field, atmosphere, auroras, and gravity. Play Juno Quest at spaceplace.nasa.gov/junoquest.

JULY 2014

spaceplace.nasa.gov

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>Anti-boredom Month. Fight boredom by playing games at The Space Place. spaceplace.nasa.gov/menu/play</p>	<p><i>On this calendar .../ means spaceplace.nasa.gov/</i></p>	<p>1 First U.S. zoo opened in 1874 in Philadelphia, PA. Many zoos give homes to endangered species. How can satellites help these animals in the wild? .../migration</p>	<p>2</p>	<p>3 Earth at aphelion, the time of year when we are farthest from the Sun. Why isn't it cold if we are farthest from the Sun? .../seasons</p>	<p>4 Mars Pathfinder rover landed on Mars in 1997. What award will Mars win in a planet contest? .../story-planet-awards U.S. Independence Day</p>	<p>5 <small>FIRST QUARTER</small></p>
<p>6</p>	<p>7</p>	<p>8</p>	<p>9 Voyager 2 flew by Jupiter and discovered three more moons in 1979. Play "JunoQuest" and help unravel more Jupiter mysteries. .../junoquest</p>	<p>10</p>	<p>11 United Nations World Population Day. How can Earth space missions show humans' effect on Earth? .../misr-xword</p>	<p>12 <small>FULL MOON</small></p>
<p>13 In 1995, the Galileo spacecraft released a probe destined for Jupiter's atmosphere. How else can we learn about Jupiter and other planets? .../dr-marc-solar-system</p>	<p>14</p>	<p>15</p>	<p>16</p>	<p>17</p>	<p>18 <small>LAST QUARTER</small></p>	<p>19</p>
<p>20 Moon Day. Neil Armstrong was the first human to walk on the Moon this day in 1969. What did the astronauts learn? .../dr-marc-earth</p>	<p>21</p>	<p>22</p>	<p>23</p>	<p>24 Amelia Earhart born, 1897. Read about the airplane that has flown higher than any other winged aircraft in horizontal flight — on Sun power no less! .../helios</p>	<p>25</p>	<p>26 <small>NEW MOON</small> All or Nothing Day. Computers understand only ON or OFF. So how do we get them to do so much? .../binary-code2</p>
<p>27</p>	<p>28 Parents' Day. Your parents may find help on our Parents & Educators page. .../menu/parents-and-educators</p>	<p>29 NASA was established in 1958. The Space Place is just one example of NASA's commitment to education.</p>	<p>30</p>	<p>31 Apollo 15's rover was the first vehicle driven on the Moon, 1971. See a picture of the lunar rover. .../gallery-earth/#moon</p>		



Credit: NASA/JPL-Caltech/UCLA/MPS/DLR/IDA

NASA's Dawn mission took a picture of a crater on the giant asteroid Vesta. It is 330 miles (530 kilometers) across. Dawn orbited and studied Vesta for more than one year. Find out more about asteroids at spaceplace.nasa.gov/posters/asteroids.

AUGUST 2014

spaceplace.nasa.gov

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p><i>On this calendar</i> ../ <i>means</i> spaceplace.nasa.gov/</p>					<p>1 Joseph Priestly's experiment isolated oxygen in 1774. Oxygen is great to breathe. It also makes up part of greenhouse gas molecules! ../gumdrops</p>	<p>2 2</p>
<p>3 FIRST QUARTER Friendship Day. Make star cookies with a friend. ../star-cookies</p>	<p>4 U.S. Coast Guard established 1790. Play Wild Weather Adventure and don't make the Coast Guard rescue you! ../wild-weather-adventure</p>	<p>5 5</p>	<p>6 6</p>	<p>7 7</p>	<p>8 8</p>	<p>9 9</p>
<p>10 FULL MOON 10</p>	<p>11 11</p>	<p>12 12</p>	<p>13 13</p>	<p>14 14</p>	<p>15 National Relaxation Day. Lie under a tree and watch the pigeons fly by. Are they in a race home? Will they get lost? ../pigeons</p>	<p>16 16 Joke Day. Make a robot puzzle, give it to a friend, and test their sense of humor. ../space-robots</p>
<p>17 LAST QUARTER World first CD manufactured by Philips in 1982. Use an unwanted CD to make a model of Saturn with rings. ../saturn-model</p>	<p>18 18</p>	<p>19 National Aviation Day. Did you know some NASA missions use planes rather than rockets? ../mission-chronicles/hansen</p>	<p>20 20</p>	<p>21 21</p>	<p>22 22</p>	<p>23 23 First photograph of Earth from the Moon, 1966. Build a Moon Habitat and imagine seeing Earth from the Moon. ../moon-habitat</p>
<p>24 31</p>	<p>25 NEW MOON Why does the Moon have phases at all? Get some Oreos and find out! ../oreo-moon</p>	<p>26 26 Voyager 2 flew by Saturn in 1981. Cassini is there now. Play the Cassini commander mini-game. ../solar-system-explorer</p>	<p>27 27</p>	<p>28 28</p>	<p>29 29</p>	<p>30 30</p>



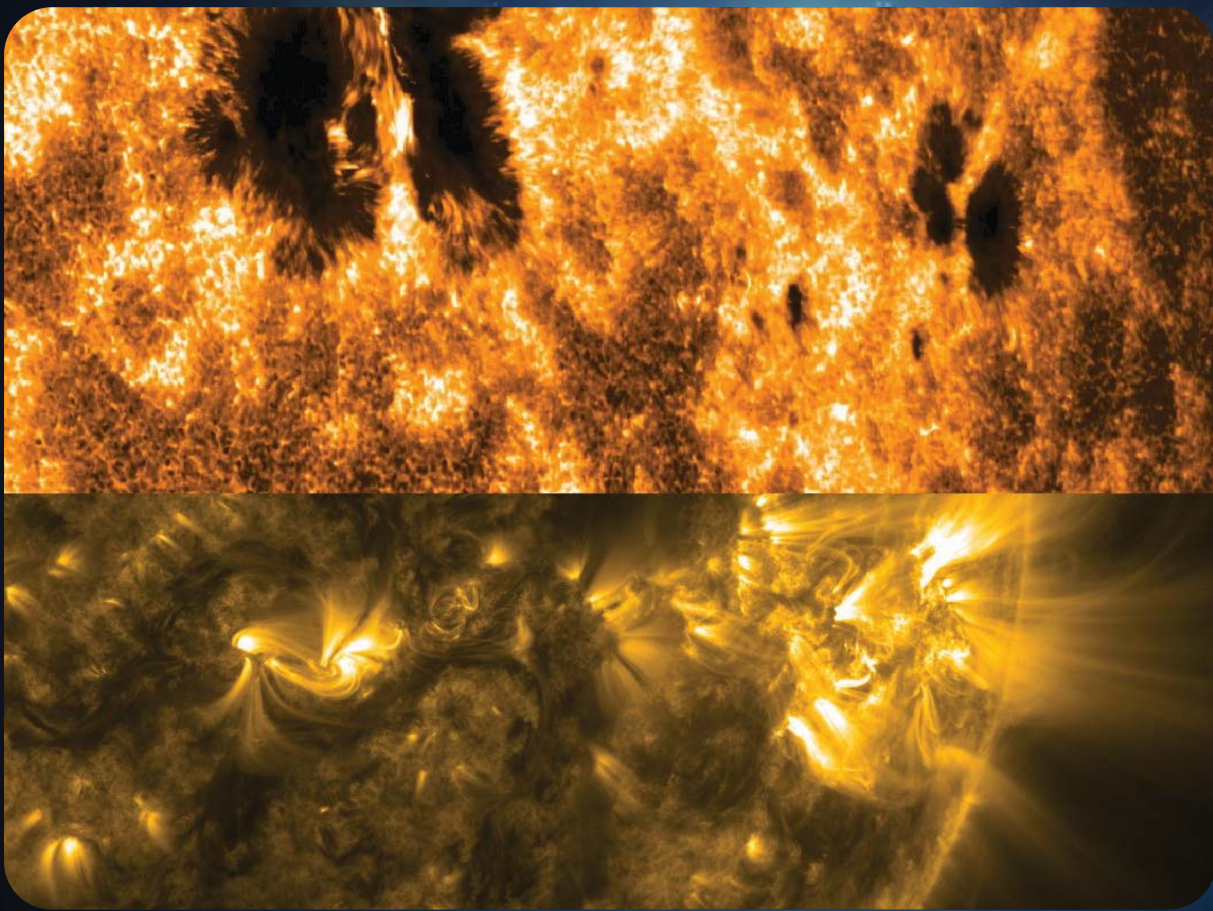
NASA's Spitzer and WISE telescopes created this image of a part of a galaxy where stars are forming. These telescopes can see a kind of light humans cannot see—infrared light. Play “Spitzer Concentration” and test your “infrared memory” on pictures of other galaxies. Go to spaceplace.nasa.gov/spitzer-concentration

Credit: NASA/JPL-Caltech/University of Wisconsin

SEPTEMBER 2014

spaceplace.nasa.gov

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>National School Success Month. The Space Place has free resources to help students be successful. ../menu/parents-and-educators</p>	<p>1 Labor Day. Get busy! It isn't "Goof-off Day"! There's lots to do on The Space Place. ../menu/do</p>	<p>2  FIRST QUARTER</p>	<p>3</p>	<p>4  On this calendar ../ means spaceplace.nasa.gov/</p>	<p>5 National Cheese Pizza Day. Make a Galactic Mobile with the cardboard from your pizza. ../galactic-mobile</p>	<p>6</p>
<p>7 National Grandparents Day. Make a Sound Cone with your grandparent and you will both hear amazing things! ../sound-cone</p>	<p>8  FULL MOON</p>	<p>9</p>	<p>10 Swap Ideas Day. Read some of Dr. Marc's amazing facts and swap some ideas with a friend. ../menu/dr-marc</p>	<p>11</p>	<p>12</p>	<p>13 Positive Thinking Day. Make your positive ions outnumber your negative ions when you do the "Ions in Action" experiment. ../ion-balloons</p>
<p>14 Luna 2 crashed on the Moon, 1959. Do you know what part the Moon plays in a solar eclipse? ../venus-transit</p>	<p>15  LAST QUARTER</p>	<p>16 Collect Rocks Day. Asteroids are big rocks in space. But how are they different from comets? ../posters/#solarsystem</p>	<p>17</p>	<p>18 Voyager 1 took first full-frame photo of Earth and Moon together in 1977. Check out other photos of the solar system at the Space Place. ../gallery*solar-system</p>	<p>19</p>	<p>20</p>
<p>21</p>	<p>22 Autumnal Equinox (first day of fall). Learn what causes the seasons. ../seasons</p>	<p>23</p>	<p>24  NEW MOON</p>	<p>25</p>	<p>26</p>	<p>27 Crush a Can Day. Crush a can without touching it in this experiment to test new spacecraft materials. ../soda-can-test</p>
<p>28</p>	<p>29</p>	<p>30</p>				



Credit: NASA/JAXA/Lockheed Martin



CALENDAR

Two images of an especially busy part of the sun taken by NASA/JAXA's Solar Optical Telescope on the Hinode spacecraft (top) and by NASA's Solar Dynamics Observatory (below). The sun frequently sends off explosive jets of charged particles and energy. These events can interfere with satellite communications and power grids. Play "Solar Tricktionary" and find out how much you know about our sun at <http://spaceplace.nasa.gov/solar-tricktionary>.

OCTOBER 2014

spaceplace.nasa.gov

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>Energy Awareness Month. Much of the energy we use makes pollution and greenhouse gases. What are those? ../greenhouse</p>	<p><i>On this calendar</i> ../ means spaceplace.nasa.gov/</p>		<p>1  FIRST QUARTER</p>	2	3	<p>4 Sputnik, the first satellite, was launched by the Soviet Union in 1957. We have come a long way with satellites. ../earth-card-game</p>
5	6	<p>7 In 1959, Lunik 3 took the first photo of the far side of the Moon. Why does the Moon look different throughout a month? ../oreo-moon</p>	<p>8  FULL MOON</p>	<p>9 First two-way telephone conversation in 1876. How do we communicate with faraway spacecraft? ../dsn-game</p>	10	11
12	<p>13 Train Your Brain Day. The Ozone Trap-n-Zap game will help! ../ozone</p> <p>Columbus Day</p>	<p>14 Dessert Day. Make yummy "El Nino Pudding" for dessert today. ../el-nino</p>	<p>15  LAST QUARTER</p>	<p>16 Launch in 1975 of GOES-1, the first weather satellite to take pictures of Earth at night. Play a game about the newest GOES. ../satellite-insight</p>	17	<p>18 Sweetest Day. A day to give sweets to those in need and those you love. Make your sweets star shaped. ../star-cookies</p>
19	20	<p>21 Thomas Edison conducted the first successful test of electric light in 1879. See what invisible light an electric light bulb puts out. ../ir-matching</p>	22	<p>23  NEW MOON</p>	24	25
26	27	<p>28 International Animation Day. Check out our 'snappy' animations about science. ../menu-snap</p>	<p>29 Internet Day. Celebrate by downloading some Space Place wallpaper for your computer desktop. ../wallpaper</p>	<p>30  FIRST QUARTER</p>	<p>31 Design a Halloween mask using the Emoticonstructor. ../emoticonstructor</p> <p>Halloween</p>	



Photo Credit: NOAA/NASA

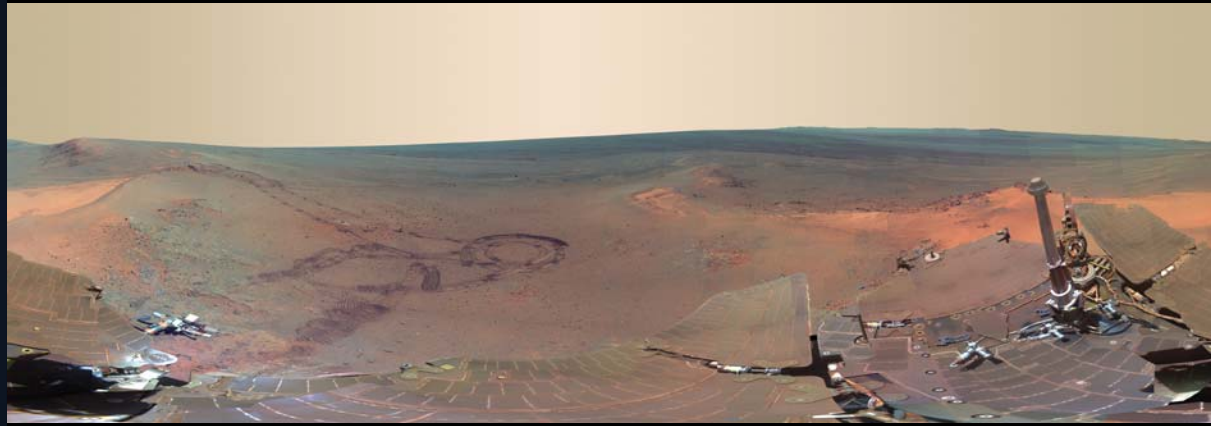


A weather satellite named GOES-13 satellite took this picture of a huge blizzard on January 2, 2014. Read "How Do You Make a Weather Satellite" and answer all your questions about weather satellites.
spaceplace.nasa.gov/story-weather-satellite

NOVEMBER 2014

spaceplace.nasa.gov

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>International Creative Child and Adult Month. Try making a Cloud Mobile together. .. / cloud-mobile</p>		<p><i>On this calendar .. / means spaceplace.nasa.gov/</i></p>				1
2	3	4	5	6	7 	8
<p>Daylight Saving Time ends. How did time-keeping ever get started? .. /classroom-activities/#time</p>			<p>Gunpowder Day. How much virtual "gunpowder" would it take to shoot a cannonball into orbit? .. /how-orbits-work</p>		<p>Marie Curie born in 1867. A physicist, she won a Nobel Prize for discovering two new elements. NASA has many women scientists. .. /mission-chronicles</p>	<p>X-rays were discovered in 1895. X-ray is one kind of photon you will play with in "Photon Pile-up." .. /photon-pileup</p>
9	10	11	12	13	14 	15
		<p>National Young Readers Day. Read and listen to Dr. Marc's answers to great questions about space. .. /dr-marc</p> <p>Veterans Day</p>			<p>I Love to Write Day. How about trying a cosmic poem? .. /art</p>	<p>First computer microprocessor invented in 1971. Find out how humans talk to machines. .. /binary-code3</p>
16	17	18	19	20	21	22 
	<p>Leonid meteor shower at maximum early this morning. What causes a meteor shower? .. /meteor-shower</p>		<p>Have a Bad Day Day. One way to have a bad day is to tour the solar system looking for a better climate than here on Earth. .. /planet-weather</p>			
23	24	25	26	27	28	29 
	<p>National Game and Puzzle Week. You will find lots of games and puzzles at The Space Place. .. /menu/play</p>			<p>Thanksgiving Day. Did the pilgrims on the Mayflower navigate by the stars? With our starfinders, they could have. .. /starfinder</p>		
30						



817 images taken by NASA's Mars Exploration Rover Opportunity created this view. It shows the terrain that surrounded the rover while it was stationary during its most recent Martian winter. What kind of weather does this "Martian" have to endure? Find out at spaceplace.nasa.gov/planet-weather.

Credit: NASA/JPL-Caltech/Cornell/Arizona State Univ.

DECEMBER 2014

spaceplace.nasa.gov

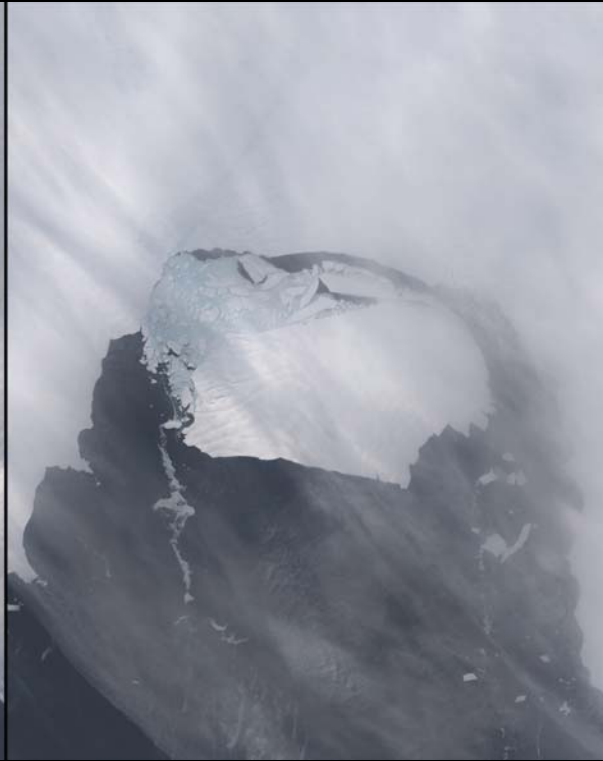
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 <i>On this calendar .../ means spaceplace.nasa.gov/</i>	2	3	4 Pioneer 10 flew past Jupiter in 1973. Play "JunoQuest," about a new mission to Jupiter. <i>.../junoquest</i>	5	6 
7 Galileo spacecraft became first to orbit an outer planet (Jupiter) in 1995. Learn more about Dr. Marc's favorite planet. <i>.../dr-marc-solar-system</i>	8	9	10	11 First recorded sighting of Aurora Borealis , from New England in 1719. Learn about an especially memorable aurora from 1859. <i>.../shields-up</i>	12 Radio signals first transmitted across the Atlantic, 1901. How do radio waves carry messages? <i>.../classroom-activities/#phases</i>	13
14  Geminids meteor shower at maximum early this morning. What causes a meteor shower? <i>.../meteor-shower</i>	15	16	17 First powered flight by the Wright Brothers in 1903. Did their invention just come out of the blue? <i>.../classroom-activities/#history</i>	18	19 Apollo 17 , the last of the Apollo Moon landing missions, returned to Earth, 1972. Did they find water ice on the Moon? <i>.../i-see-ice</i>	20
21  Winter Solstice (first day of winter). What causes the seasons, anyway? <i>.../seasons</i>	22	23	24	25 Christmas Day. If you get an iPad or iPhone for Christmas, we have some more gifts for you. <i>.../ios</i>	26	27
28  28	29	30	31 <i>Time</i> magazine named Albert Einstein "Person of the Century," 1999. Einstein's theories predict gravitational waves. Huh? <i>.../ligo-g-waves</i>			



CALENDAR



October 28, 2013



November 13, 2013

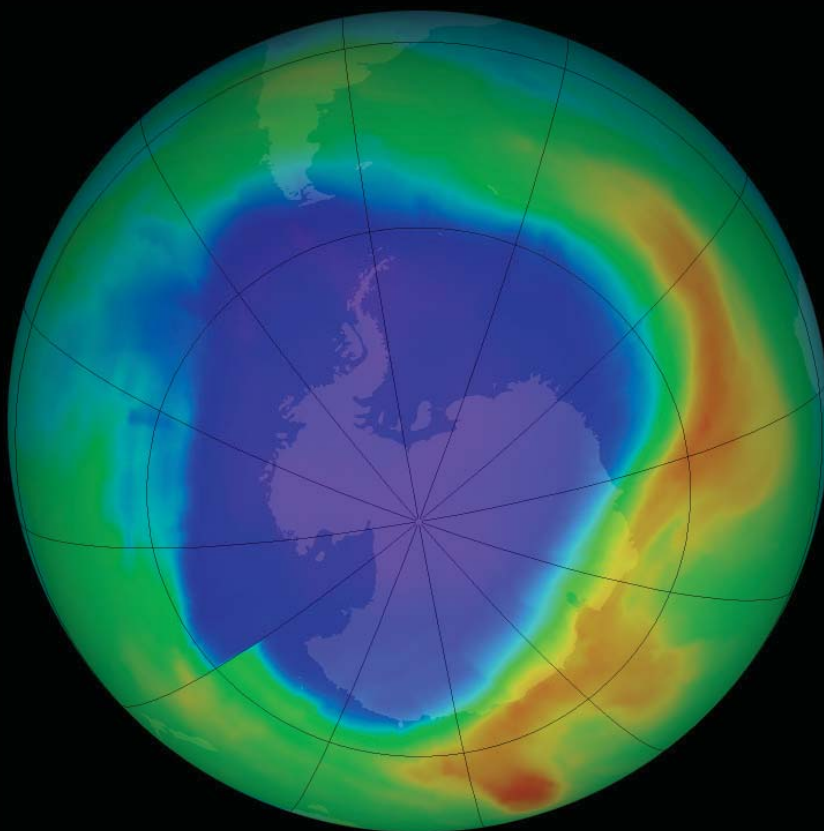
An iceberg estimated to be 22 by 12 miles (35 by 20 kilometers) broke off from Antarctica's Pine Island Glacier between November 9 and 11, 2013. NASA's Earth Science Division uses a fleet of satellites to help us understand the changes happening to our planet. Play the "Earth Mission" online card game at spaceplace.nasa.gov/earth-card-game.

Credit: Images taken by the Operational Land Imager onboard Landsat 8. Source: NASA Earth Observatory

JANUARY 2015

spaceplace.nasa.gov

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>National Thank You Month. To thank your teachers for their wonderful work, we have downloadable posters of space and Earth. .. /posters</p>		<p><i>On this calendar .. / means spaceplace.nasa.gov/</i></p>		<p>1 Galileo saw Saturn's rings through a telescope in 1610. Could a spaceship land on Saturn's rings? .. /dr-marc-solar-system New Years Day</p>	2	3
<p>4  FULL MOON Earth at perihelion, the time of year when it is closest to the Sun. Just how close is Earth to the Sun right now? .. /seasons</p>	5	6	<p>7 Galileo first spots what become known as Jupiter's Galilean moons. How do these moons interact with each other and their massive parent? .. /io-tides</p>	<p>8 Physicist Stephen J. Hawking born 1942. He writes about black holes. How does it "sound" when a big star is swallowed by a black hole? .. /ligo-g-waves</p>	9	10
<p>11 Amelia Earhart is the first woman to fly solo across the Pacific in 1935. How did her airplane stay up? .. /dr-marc-technology</p>	12	<p>13  LAST QUARTER</p>	14	15	16	<p>17 Ben Franklin's birthday, 1706. Ben played the violin. Maybe he played one made during the "little ice age." .. /violins</p>
18	19 Martin Luther King, Jr. Day	<p>20  NEW MOON Penguin Awareness Day. Emperor penguins migrate each year to breed. What other animals migrate? .. /migration</p>	21	22	23	24
<p>25 Mars rover Opportunity landed on Mars in 2004. Get the inside story on the latest Mars rover, Curiosity. .. /mission-chronicles/milkovich</p>	<p>26  FIRST QUARTER</p>	27	28	<p>29 National Puzzle Day. Unscramble beautiful "Earth-as-Art" puzzles. .. /spuzzled</p>	30	31



Credit: NASA/NOAA

The ozone hole over Antarctica was slightly smaller in 2013 than the average for recent decades, according to data from NASA's Aura satellite and the NASA-NOAA Suomi NPP satellite. Ozone high in the atmosphere protects us from ultraviolet light, which can harm living things. Find out about "good ozone" and "bad ozone" at spaceplace.nasa.gov/ozone.

FEBRUARY 2015

spaceplace.nasa.gov

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>1</p> <p>Plant the Seeds of Greatness Month. Watch Space Place Live! interviews to find out how! .. / space-place-live</p>	<p>2</p> <p>Groundhog Day. The groundhog should consult the GOES satellites, not his shadow! .. / geo-orbits</p>	<p>3</p> <p>FULL MOON</p>	4	5 <p>National Weather-person's Day. Learn to read—and make—a real weather map! .. / classroom-activities/#wizard</p>	6 <p>Apollo 14 astronauts played golf on the Moon in 1971. See astronauts at work and play. .. / gallery-technology/#astronauts</p>	7
8	9	10	11 <p>LAST QUARTER</p>	12 <p>Charles Darwin born this day in 1809. You will understand evolution of species after playing with the "Emoticonstructor." .. / emoticonstructor</p>	13 <p>The Great Backyard Bird Count begins. Learn about how NASA keeps track of some birds using radar. .. / birds</p>	14 <p>Valentine's Day</p>
15	16 <p>Engineers Week Feb. 16-22</p> <p>Presidents' Day</p>	17	18 <p>NEW MOON</p>	19 <p>Nicolaus Copernicus born in 1473. He thought the center of the universe was near the Sun. Wrong! But where is it? .. / dr-marc-space</p>	20	21 <p>International Mother Language Day. If yours is Spanish, we have a website just for you. spaceplace.nasa.gov/sp</p>
22 <p>World Thinking Day. Give your brain a workout and go "Vec—>Touring" today! .. / vec-touring</p>	23	24	25 <p>FIRST QUARTER</p>	26 <p>Introduce a Girl to Engineering Day. Watch Space Place Live! and meet a "girl engineer." .. / space-place-live/#douglas</p>	27 <p>NASA and JAXA launched the Global Precipitation Measurement satellite in 2014. How would you build your own satellite? .. / build-a-spacecraft</p>	28
					<p>On this calendar .. / spaceplace.nasa.gov/</p>	



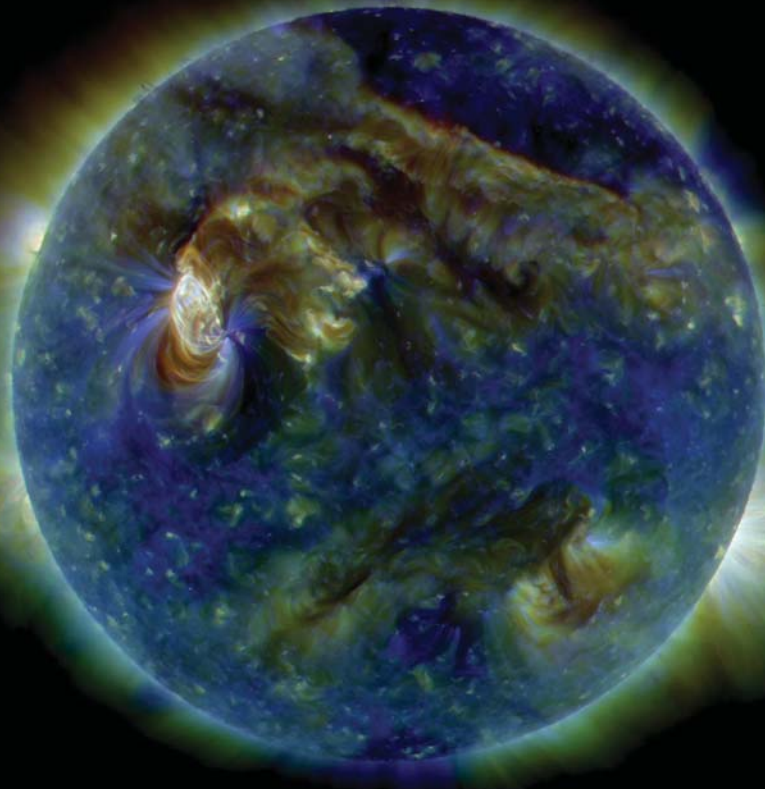
This latest Chandra image of Centaurus A shows a spectacular jet of outflowing material — seen pointing from the middle to the upper left — that is generated by the giant black hole at the galaxy's center. This is the sort of phenomenon that NASA's Astrophysics Division loves to explore. Learn about some of these mysteries at spaceplace.nasa.gov/menu/space.

Credit: NASA's Chandra X-ray Observatory/NASA/CXC/U.Birmingham/M.Burke et al.

MARCH 2015

spaceplace.nasa.gov

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 International Listening Awareness Month. Listening makes the world a better place. Practice with our podcasts. spaceplace.nasa.gov/podcasts	2 Dr. Seuss was born this day in 1904. If you like Dr. Seuss stories, you might like "Ode to Aerogel." .. /aerogel	3	4	5  FULL MOON	6	7
8 Daylight Saving Time begins	9 Girl Scout Week. Girl Scouts can earn badges at The Space Place! .. /scouts	10 First telephone call, 1876. How do we talk to spacecraft way out in space? .. /x-ponder	11	12	13  LAST QUARTER	14
15	16	17 St. Patrick's Day. Leprechauns are Irish folklore fairies in green. If we meet other green beings in space, what would we say about us? .. /voyager-to-stars	18	19 Absolutely Incredible Kid Day. Adults write letters telling kids how incredible they are. If you visit The Space Place, you deserve one!	20  NEW MOON World Storytelling Day. Create your own zany story to tell today! .. /loopy-legends Vernal Equinox (first day of spring)	21 International Ask a Question Day. Visitors to Space Place partner museums have asked a lot of good questions, and Dr. Marc has answers. .. /menu/dr-marc
22 International Goof-off Day. Download the iPad and iPhone games made by The Space Place. You might learn something while goofing off! .. /ios	23	24	25	26	27  FIRST QUARTER	28
29	30	31			On this calendar .. / means spaceplace.nasa.gov/	



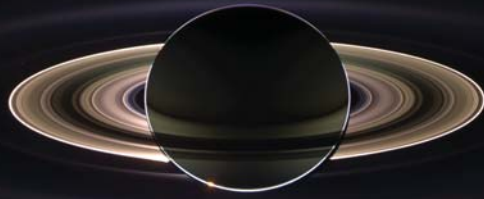
Credit: NASA's Solar Dynamic Observatory

On August 1, 2010, nearly the entire Earth-facing side of the sun erupted in a tumult of activity, shown in this image from NASA's Solar Dynamics Observatory. NASA's Heliophysics Division seeks to understand the sun and how it interacts with Earth and the solar system. Find out more about the sun at spaceplace.nasa.gov/menu/sun.

APRIL 2015

spaceplace.nasa.gov

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>National Humor Month. Read the little book "The First Annual Planet Awards." Planets can be pretty funny when they compete. spaceplace.nasa.gov/story-planet-awards</p>	<p><i>On this calendar .../ means spaceplace.nasa.gov</i></p>		<p>1</p> <p>April Fool's Day. At least teach your nose not to be fooled! .. /e-nose</p>	<p>2</p>	<p>3</p> <p>National Find a Rainbow Day. Go to the "Cosmic Colors" viewer and see the universe in far more colors than in a rainbow! .. /cosmic-colors</p>	<p>4</p> <p>National Reading a Road Map Day. How do homing pigeons find their way home? Do they read a map? .. /pigeons</p> <p>FULL MOON</p>
<p>5</p> <p>Easter Sunday</p>	<p>6</p>	<p>7</p>	<p>8</p>	<p>9</p>	<p>10</p> <p>Encourage a Young Writer Day. Suggest they write a poem about the future and exploring space. .. /art</p>	<p>11</p> <p>LAST QUARTER</p>
<p>12</p> <p>First Space Shuttle was launched, 1981. See pictures of Space Shuttle launches and landings. .. /gallery-technology/#rockets</p>	<p>13</p>	<p>14</p>	<p>15</p> <p>Leonardo da Vinci was born this day in 1452. Ever wonder how most inventors do their work? .. /classroom-activities/#history</p>	<p>16</p>	<p>17</p>	<p>18</p> <p>NEW MOON</p>
<p>19</p> <p>Humorous Day. You will truly test your friends' sense of humor when you give them the "Robot Puzzle" to solve. .. /space-robots</p>	<p>20</p>	<p>21</p>	<p>22</p> <p>Earth Day. Play "Missions to Planet Earth," an online card game. .. /earth-card-game</p>	<p>23</p>	<p>24</p>	<p>25</p> <p>FIRST QUARTER</p>
<p>26</p>	<p>27</p> <p>Tell a Story Day. Read a couple of the storybooks on The Space Place, then make up your own story about space! .. /menu/storybook</p>	<p>28</p>	<p>29</p>	<p>30</p>		



Saturn eclipsing the sun, as seen from NASA's Cassini orbiter. NASA's Planetary Division wants to find out what our solar system contains, how it all began, how it has changed, and whether there might be life on other planets or moons. Find out how more at spaceplace.nasa.gov/menu/solar-system.

Credit: NASA/JPL/Space Science Institute

MAY 2015

spaceplace.nasa.gov

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>National Radio Month. What are radio waves and how can they carry music and voices? spaceplace.nasa.gov/classroom-activities/#phases.</p>	<p><i>On this calendar</i> .../ <i>means</i> spaceplace.nasa.gov/</p>				1	2
<p>3  FULL MOON</p>	<p>4</p> <p>National Weather Observers Day. To celebrate, go on a Wild Weather Adventure! .../wild-weather-adventure</p>	<p>5</p> <p>National Teacher's Day. Check out the interesting classroom activity articles and images on the Parents & Educators page .../menu/parents-and-educators</p>	<p>6</p> <p>National Space Day. Build a cool model of a spacecraft such as the Hubble Space Telescope. .../build-a-spacecraft</p>	7	8	9
<p>10</p> <p>Mother's Day. Teach Mom to play "Photon Pile-up." She will like the beautiful colors and just may beat you! .../photon-pileup</p>	<p>11  LAST QUARTER</p>	12	13	14	15	16
<p>17  NEW MOON</p> <p>Pack Rat Day. You may be a pack rat on Earth, but you'd have to change your ways if you took a trip to Mars! .../classroom-activities/#marspacking</p>	<p>18 Volcano Mt. St. Helens blew its top this day in 1980. Learn more about volcanoes on Earth and elsewhere in the solar system. .../gallery-earth/volcanoes and .../volcanoes2</p>	19	20	21	22	23
<p>24</p> <p>31</p>	<p>25  FIRST QUARTER</p> <p>President Kennedy announces in 1961 that the U.S. will land a person on the Moon by the end of the decade. Build your own "Moon Habitat." .../moon-habitat</p> <p>Memorial Day</p>	<p>26</p> <p>Birthday in 1951 of Dr. Sally Ride, the first American woman in space. Women do lots of important jobs at NASA. .../space-place-live</p>	27	28	29	30
				<p>28</p> <p>In 1959, the U.S. launches two monkeys into space and returns them safely to Earth. Monkey around in space by trying our Games. .../menu/games</p>		



This "Earth at night" image was made by combining images taken by the NOAA-NASA Suomi-NPP satellite. Build your own satellite at spaceplace.nasa.gov/build-a-spacecraft.

Credit: NASA/NOAA/JPSS/VIIRS/ Norman Kuring

JUNE 2015

spaceplace.nasa.gov

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p>National Zoo and Aquarium Month. Maybe you will see some endangered species, like these: .../migration</p>	<p>1</p> <p><i>On this calendar</i> .../ means spaceplace.nasa.gov</p>	<p>2</p> <p>FULL MOON</p>	<p>3</p> <p>First U.S. spacewalk in 1965. How did Apollo astronauts survive the harsh environment of space? .../dr-marc-earth</p>	<p>4</p>	<p>5</p>	<p>6</p>
<p>7</p> <p>Trial Technology Day. Try out our make-believe "Ozone Trap-n-Zapper." .../ozone</p>	<p>8</p>	<p>9</p> <p>LAST QUARTER</p>	<p>10</p>	<p>11</p> <p>Fermi Gamma-ray Space Telescope launched 2008. what is it like to work on this mission that observes the high-energy universe? .../mission-chronicles/#thompson</p>	<p>12</p>	<p>13</p>
<p>14</p>	<p>15</p>	<p>16</p> <p>NEW MOON</p>	<p>17</p>	<p>18</p>	<p>19</p>	<p>20</p>
<p>21</p> <p>Summer Solstice, First Day of Summer. What causes Earth to have seasons? .../seasons Father's Day.</p>	<p>22</p>	<p>23</p>	<p>24</p> <p>FIRST QUARTER</p> <p>Celebration of the Senses Day. Here are some super-sensing machines that astronomers use to explore the universe. .../story-space-tools</p>	<p>25</p>	<p>26</p>	<p>27</p> <p>Helen Keller Day. Born in 1880. With no hearing or sight, she seemed to have a sixth sense, like this mission. .../lisa-g-waves</p>
<p>28</p>	<p>29</p>	<p>30</p>				