



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

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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 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	13	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	<p>20 Penguin Awareness Day. Emperor penguins migrate each year to breed. What other animals migrate? .../migration</p>	21	22	23	24
25	26	27	28	<p>29 National Puzzle Day. Unscramble beautiful "Earth-as-Art" puzzles. .../spuzzled</p>	30	31