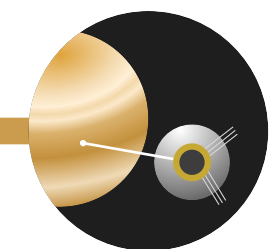




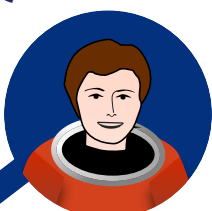
SUN MON TUE WED THU FRI SAT

1 2 3 4 5 6 7

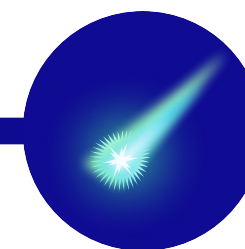
NASA's Pioneer 11 spacecraft flew by Jupiter 45 years ago. The spacecraft was able to determine the mass of Jupiter's moon, Callisto.



1st Quarter Moon

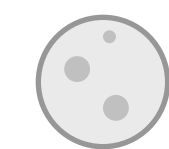


Comet 2I/Borisov will make its closest approach to the sun and will be visible with a telescope in the southern sky during December and January

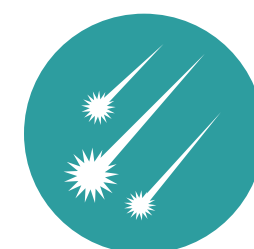


8 9 10 11 12 13

Happy 73rd Birthday to Roberta Bondar, Canada's first female astronaut and the first neurologist in space.

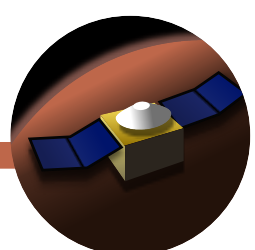


Full Moon

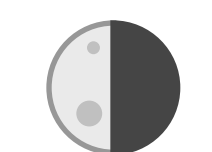


The Geminids meteor shower will peak overnight tonight. Thought to originate from asteroid-like space rocks, they should brighten the night sky with 120-160 meteors per hour.

On this day in 2010, Mars Odyssey became the longest-serving spacecraft at Mars. It was launched in 2001 and is still at work today!



Get your last-minute holiday shopping done at [Amazon.com/SpaceRacers](https://www.amazon.com/SpaceRacers)



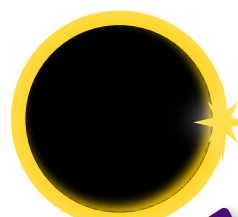
3rd Quarter Moon



The Ursids meteor shower will peak tonight with the best viewing after midnight from a dark location

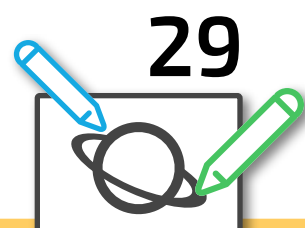
22 23 24 25 26 27 28

Apollo 17 returned to Earth on this day 47 years ago, marking the last Apollo mission and last humans to visit the Moon.



The Apollo 8 mission, the first manned spacecraft to orbit the moon, launched on this day in 1968.

Winter Solstice in the Northern Hemisphere, marking the first day of Winter. Check out "How the Grouch Stole Solstice" on our YouTube channel!



Looking for ways to entertain kids during school vacation? Check out all of the fun family activities on [SpaceRacers.com](https://www.SpaceRacers.com)!

New Moon and Annular Solar Eclipse visible in parts of Europe, Asia, Australia, and Africa. During this "ring of fire," the Moon will not completely block the Sun, creating a ring-like circle of sunlight.

Always use proper solar filters when viewing an eclipse.



Watch Space Racers on Universal Kids and [YouTube.com/SpaceRacers](https://www.YouTube.com/SpaceRacers)