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NASA's Parker Solar Probe will complete its second flyby of the Sun this year, gaining new data on solar activity.

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Big, blue planet Neptune is at its closest approach to Earth tonight. While it will appear brighter than any other time of the year, it still looks like a tiny blue dot due to its extreme distance from Earth.

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1st Quarter Moon

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Suit up for your next mission with Space Racers T-shirts at [Amazon.com/SpaceRacers](https://www.amazon.com/SpaceRacers) and get \$2 off thru 9/30

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Mae Jemison went into orbit on this day in 1992 aboard Space Shuttle Endeavour, becoming the first African-American woman in space.

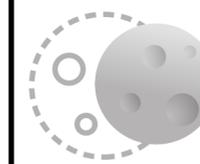
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Full Moon
This is called the Micromoon, because the Moon appears smaller due to its distance from Earth.

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Cassini dove into Saturn's atmosphere and ended its 20-year journey of discovery on this day in 2017

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On this day 50 years ago, the Smithsonian Institution unveiled the first public display of a lunar rock, which was from the Apollo 11 mission.

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Watch "Fly Like an Eagle" on [YouTube.com/SpaceRacers](https://www.youtube.com/SpaceRacers)

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3rd quarter Moon

Autumnal equinox, one of two days during the year with equal parts daytime and nighttime throughout the world. In the northern hemisphere, it marks the first day of Fall.

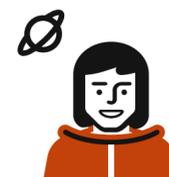
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Astronaut **Shannon Lucid** returned to Earth on this day in 1996 after a 188-day Mir mission, setting an American record for longest stay in space and a world record for women.

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New Moon

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

