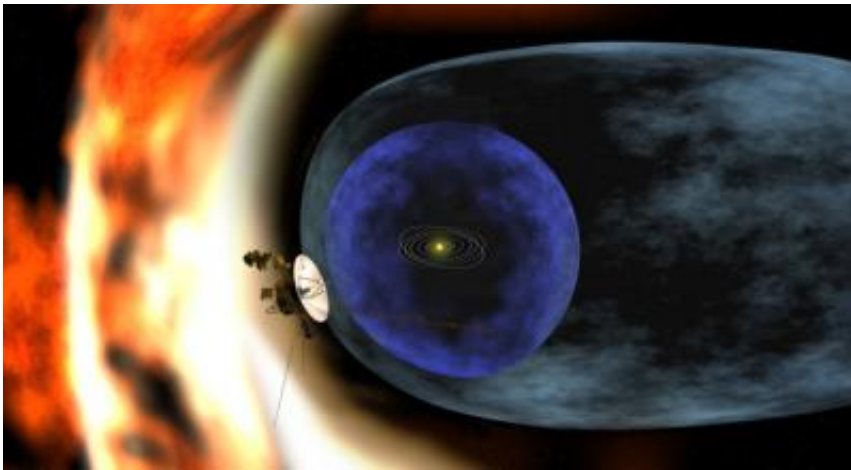


Voyager 2 at 12,000 Days: The Super-Marathon Continues

June 29 2010



This artist's rendering depicts NASA's Voyager 2 spacecraft as it studies the outer limits of the heliosphere - a magnetic 'bubble' around the solar system that is created by the solar wind. Image credit: NASA/JPL-Caltech.

(PhysOrg.com) -- NASA's plucky Voyager 2 spacecraft has hit a long-haul operations milestone today -- operating continuously for 12,000 days.

For nearly 33 years, the venerable spacecraft has been returning data about the giant outer planets, and the characteristics and interaction of [solar wind](#) between and beyond the planets. Among its many findings, Voyager 2 discovered Neptune's Great Dark Spot and its 450-meter-per-second (1,000-mph) winds.

The two [Voyager spacecraft](#) have been the longest continuously operating spacecraft in deep space. Voyager 2 launched on August 20, 1977, when Jimmy Carter was president. Voyager 1 launched about two weeks later on Sept. 5. The two spacecraft are the most distant human-made objects, out at the edge of the heliosphere -- the bubble the sun creates around the solar system. Mission managers expect Voyager 1 to leave our solar system and enter interstellar space in the next five years or so, with Voyager 2 on track to enter interstellar space shortly after that.

Having traveled more than 21 billion kilometers (13 billion miles) on its winding path through the planets toward [interstellar space](#), the spacecraft is now nearly 14 billion kilometers (9 billion miles) from the sun. A signal from the ground, traveling at the speed of light, takes about 12.8 hours one-way to reach Voyager 2.

Voyager 1 will reach this 12,000-day milestone on July 13, 2010 after traveling more than 22 billion kilometers (14 billion miles). [Voyager 1](#) is currently more than 17 billion kilometers (11 billion miles) from the sun.

The Voyagers were built by JPL, which continues to operate both spacecraft. Caltech manages JPL for [NASA](#).

Provided by JPL/NASA

Citation: Voyager 2 at 12,000 Days: The Super-Marathon Continues (2010, June 29) retrieved 10 April 2024 from <https://phys.org/news/2010-06-voyager-days-super-marathon.html>

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