

Coldest solar system

Mars is the coldest of the inner rocky planets, and it orbits just outside the Sun's habitable zone at an average distance of 142-million miles (228-million kilometres). At such a vast distance, it's no surprise that Mars is colder than the Earth.

There is an extremely wide range of temperatures throughout our cosmic neighborhood, from the searing heat of the Sun to the icy outer reaches of the Oort Cloud. Here's our list of some of the hottest and coldest places in the Solar System.

Neptune is dark, cold, and very windy. It's the last of the planets in our solar system. It's more than 30 times as far from the sun as Earth is. Neptune is very similar to Uranus. It's made of a thick fog of water, ammonia, and methane over an Earth-sized solid center.

Planetary surface temperatures tend to get colder the farther a planet is from the Sun. Venus is the exception, as its proximity to the Sun, and its dense atmosphere make it our solar system's hottest planet. The mean temperatures of planets in our solar system are: Mercury: 333°F (167°C) Venus: 867°F (464°C) Earth: 59°F (15°C)

Uranus is also the coldest planet in the solar system, having a minimum temperature of minus 371 degrees Fahrenheit (minus 224 degrees Celsius). Most of the planets in the solar system are visible to the naked eye. No equipment is required to see the first six planets in our solar system.

The baseline temperature of outer space is 2.7 kelvins -- minus 454.81 degrees Fahrenheit, or minus 270.45 degrees Celsius -- meaning it is barely above absolute zero, the point at which molecular...

What makes Uranus the coldest planet in the solar system? Uranus is the only planet that is really in thermal equilibrium with the sun and there are two options as to why its surface appears cold.

The short answer is that Neptune has the coldest overall average temperature and Uranus has the coldest temperature recorded. The long answer is that once upon a time the answer to this question was simple. Pluto was the planet ...

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