

# Sedna solar system





## Overview

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Tholin is a complex organic molecule that is thought to be responsible for the reddish color of many outer solar system bodies. It is a solid, dark brown to black, and is composed of a mixture of hydrocarbons and nitriles. It is found in the atmosphere of Titan, on the surface of Triton, and in the coma of comet 93P/Schwassmann-Wachmann 3.

Sedna (90377 Sedna) is a trans-Neptunian object discovered in 2003. It is the first object discovered in the inner Oort cloud, and is the most distant known object in the Solar System.

Sedna has a semi-major axis of 44.3 AU, a perihelion of 76 AU, and an aphelion of 394 AU. It has a diameter of approximately 3,240 km. It is classified as a dwarf planet.

Sedna is thought to be composed of a mixture of solid ices of water, methane, and ammonia, along with a rocky core. It is also thought to have a thin atmosphere of nitrogen and carbon dioxide.

Sedna is classified as a dwarf planet because it has cleared its orbit. It is the only dwarf planet in the inner Oort cloud. It is also the most distant known object in the Solar System.

Samuel Oschin telescope is a 48-inch (1.22 m) diameter reflecting telescope located at the Lick Observatory in California. It was built in 1930 and is the largest telescope in the world that is still in use.

The telescope has a focal length of 1,000 inches (25.4 m) and a primary mirror diameter of 1930 mm (76 inches). It is used for a wide range of astronomical observations, including the discovery of Sedna.

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Sedna (: 90377 Sedna) is a in the outermost reaches of the , orbiting the Sun beyond the orbit of . Discovered in 2003, the planetoid's surface is one of the known among Solar System bodies. has revealed Sedna's surface to be mostly a mixture of the solid ices of , , and , along with wi.



## Sedna solar system

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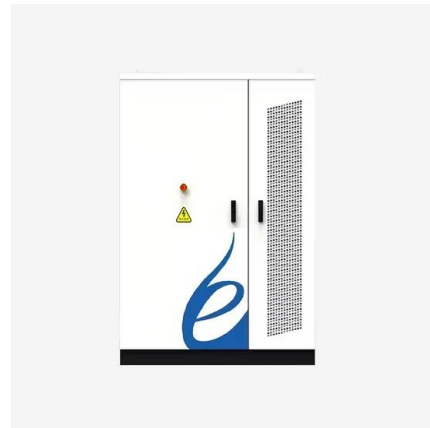


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### Evidence for 'Planet Nine' lurking on the fringes of the ...

In 2016, astronomers published a study suggesting a ninth planet could be hiding on the edge of our Solar System. Eight In 2003, researchers including Professor Brown discovered 90377 Sedna, a



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### Minor Planet Sedna - The Mysterious Inner Oort Cloud Object

Therefore, it's currently the largest outer Solar System object to have no natural satellite. The orbit of this body is extremely elliptical (eccentricity of 0.855) meaning it looks more like a stretched ellipse than the circular orbits of the Planets .

### Best solar company in Alappuzha,Kerala , Sedna Energy System

Sedna Energy Systems is the solar company in Alappuzha. SEDNA provides power generating, conditioning and backup solutions for domestic and commercial use. A leading clean and green technology solution provider based in Alappuzha,



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[Sedna , Solar System Space Wiki , Fandom](#)

Sedna is the outermost consensus dwarf planet in the solar system. Sedna is the first dwarf planet to have more than 10,000 years in a single orbit. Fact: Planet Nine pulls Sednoid minor planets including Sedna which makes their orbits extremely eccentric. 0

**Sedna: Possible Dwarf Planet Far From the Sun , Space**

Sedna is a solar system body that is one of the most distant bodies found in our solar system. The object's closest approach to the sun is far greater than Pluto's distance away ...



**Most Distant Object in Solar System Discovered**

The object, called "Sedna" for the Inuit goddess of the ocean, is 13 billion kilometers (8 billion miles) away, in the farthest reaches of the solar system. This is likely the ...



### Planet 9: Why 2029 is crucial for studying the Solar System's

Sedna - a distant dwarf planet known best for its highly elliptical, 11,390-year-long orbit - is currently on its way towards perihelion (its closest approach to the Sun) in 2076.



### NASA To Sedna? The 'Pluto-Killing' World That Orbits Our Sun ...

Welcome to Sedna, the farthest object in the Solar System from the Sun when it was discovered in 2003. According to a new paper there's a unique opportunity to send a mission

### Planet Nine: Is the search for this elusive world nearly over?

Astronomers have been scouring the outer solar system for signs of a hypothetical ninth planet for almost a decade, without success. However, we may finally be on the cusp of finding it, experts say.



### The Mystery of Sedna: The Solar System's Icy Oddball World

In 2004, astronomers announced the discovery of a red, frigid planet-like body at the outskirts of our solar system. Michael E. Brown, the Caltech astronomer who spotted the object (and who would later "kill" Pluto) dubbed it "Sedna", after the Inuit goddess who rules the seas from the bottom of the chilly Arctic Ocean.



## Sedna (dwarf planet)

Sedna's orbit is one of the widest known in the Solar System. Its aphelion, the farthest point from the Sun in its elliptical orbit, is located 937 astronomical units (AU) away. [5] This is some 31 times the distance of Neptune's aphelion, and 19 times that of Pluto



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## Sedna Is So Distant, We're Not Even Sure It's a Dwarf Planet

As astronomers probe the solar system, extraordinary worlds like possible dwarf planet Sedna are brought into the cosmic spotlight. But these outer solar system objects are so far away that they are difficult to study. Way out past the distant orbit of dwarf planet Pluto, Sedna revolves around the sun in a highly eccentric and elongated orbit and while it has the ...

## Most Distant Object in Solar System Discovered

Sedna is extremely far from the Sun, in the coldest known region of our solar system, where temperatures never rise above minus 240 degrees Celsius (minus 400 degrees Fahrenheit). The planetoid is usually even colder, because it approaches the Sun only briefly during its 10,500-year solar orbit.



## Solar System

The Solar system (or solar system) is the home stellar system for human beings and all known forms of life. The solar system comprises the Sun, all the objects gravitationally bound to it, and the heliosphere, an enormous magnetic bubble ...



### "Planet X" May Have Left Our Solar System Billions of Years Ago

Sedna has two known companions, known as Sednoids, in the outer solar system: 2012 VP 113 (which never gets closer to the Sun than 81 a.u.) and 541132 Leleakuhonua or 2015 TG 387 (65 a.u.). Yukun Huan (University of British Columbia)



### [Sweden Solar System - Wikipedia](#)

Modell av dvärgplaneten Sedna i Luleå, invigd 8 december 2005 Elever på Mörbyskolan i Danderyds kommun utformade som ett skolprojekt en modell av asteroiden 433 Eros, [1] vilken invigdes som en del av Sweden Solar System den 14 februari 2000, samma dag då rymdsonden NEAR Shoemaker gick in i omloppsbanan runt asteroiden. [31]



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### [Guide to Our Magnificent Solar System](#)

Overview of our Solar System, including the eight planets, dwarf planets, moons, asteroids, comets and other astronomical bodies of the Solar System. Inner Solar System Moons The Earth has one Moon with a couple of co-orbitals, or quasi ...

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### List of Solar System objects most distant from the Sun

Positions of known outer Solar System objects  
Sun Jupiter trojans (6,178) Scattered disc (>300)  
Giant planets: J · S Sedna is the largest known sednoid, a class of objects that play an important role in the Planet Nine hypothesis. Pluto (30-49 AU, about 34.



### Sweden Solar System

The Sweden Solar System is the world's largest permanent scale model of the Solar System from the Globe. This represents a distance of about 15 billion km; Sedna has a highly elliptical orbit, its distance from the Sun varying ...



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### Pluto isn't a planet -- but it gives us clues for how the solar

Though Pluto has formally been considered a dwarf planet for almost two decades, it still has many lessons left for planetary scientists -- including hints about how the solar system formed.

### [The Dwarf Planet Sedna: Discovery and Facts](#)

Updated on January 22, 2020. Way past the orbit of Pluto, there's an object orbiting the Sun in a highly eccentric orbit. The object's name is Sedna and it's probably a dwarf planet. Here's what ...

### ESS





### Most Distant Object in Solar System Discovered by NASA ...

Sedna will become closer and brighter over the next 72 years, before it begins its 10,500-year trip to the far reaches of the solar system. "The last time Sedna was this close to the Sun, Earth



### Most Distant Object in Solar System Discovered by NASA ...

The object, called "Sedna" for the Inuit goddess of the ocean, is 13 billion kilometers (8 billion miles) away, in the farthest reaches of the solar system. This is likely the ...



### [90377 Sedna - Wikipedia tiếng Việt](#)

Sedna on The Nine Planets Solar System Tour Hubblesite image 14 tháng 4 nam 2004 Orbital simulation from JPL (Java) / Ephemeris Lucie Jílková; Simon Portegies Zwart; Tjibaria Pijloo; Michael Hammer (1 tháng 11 nam 2015) [9 June 2015]. "How Sedna and.



### [Dwarf Planets in Our Solar System](#)

The dwarf planet definition varies, but Pluto, Eris, Haumea, Makemake, and Ceres meet the IAU definition for dwarf planets. According to the International Astronomical Union, a dwarf planet in our solar system is a body that orbits the Sun (is not a moon), has sufficient mass to be round, yet has not cleared the neighborhood around its orbit.

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[Sedna , The Solar System , Fandom](#)

Sedna is the outermost TNO in the Solar System orbiting a distance from the Sun 5 times further than Pluto and Eris. Sedna is famous for it's eccentric orbit. It goes as close as 76 AU and as far as 718 AU. In 2114 it will overtake Eris as the farthest dwarf planet



**Sedna (dwarf planet)**

OverviewHistoryOrbit and rotationPhysical characteristicsOriginPopulationClassificationExploration

Sedna (minor-planet designation: 90377 Sedna) is a dwarf planet in the outermost reaches of the Solar System, orbiting the Sun beyond the orbit of Neptune. Discovered in 2003, the planetoid's surface is one of the reddest known among Solar System bodies. Spectroscopy has revealed Sedna's surface to be mostly a mixture of the solid ices of water, methane, and nitrogen, along with wi...

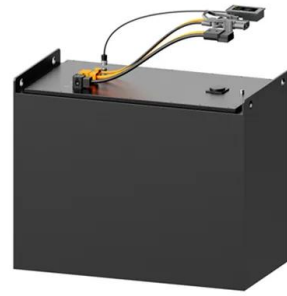


**Sedna (2003 VB12)**

Sedna The coldest most distant place known in the solar system; possibly the first object in the long-hypothesized Oort cloud Artist's conception of the cold distant Sedna. The sun is a tiny point of light 8 billion miles away from the red planetoid. A hypothesized tiny

**Sedna , Trans-Neptunian Object, Dwarf Planet & Kuiper Belt**

Sedna, small body in the outer solar system that may be the first discovered object from the Oort cloud. Sedna was discovered in 2003 by a team of American astronomers ...



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