

Sedna

(Dwarf planet candidate)

(original in the Zeiss-Großplanetarium Berlin)

Diameter: 995 km - here: 1.0 mm

Mass: $1.0 \cdot 10^{21}$ kg (estimated)

Surface temperature: -243 °C

Distance to the sun: 76 billion km - in Berlin: 76 km

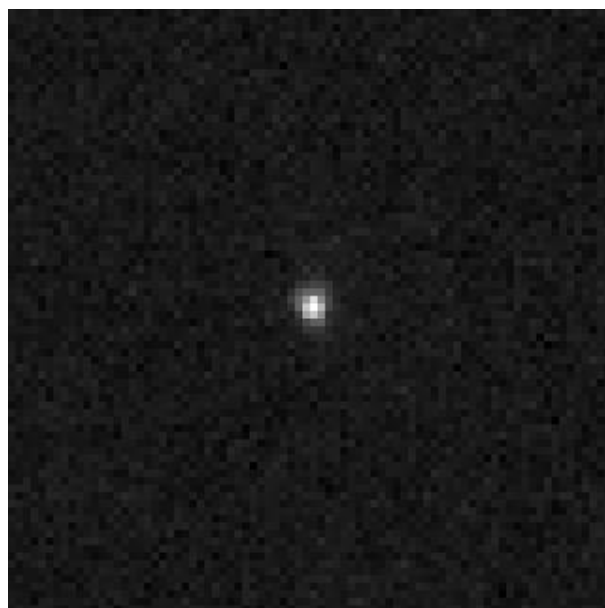
Orbital period: 12,606 years

Number of moons: 0

Joint project of the Stiftung Planetarium Berlin
and AstroWis e.V. Müllrose

Sponsored by: Ingo Perschke and Dr. Manfred Dietrich,
.....Müllrose

Dwarf Planet Candidate Sedna



Picture (Sedna):

Author: NASA

https://en.wikipedia.org/wiki/90377_Sedna#/media/File:Sedna_PRC2004-14d.jpg

The candidate was named after Sedna, the Inuit sea goddess who lives in the Atlantic Ocean. Sedna is a large transneptunian object and does not belong to the Kuiper belt because of its large distance. It is classified in the group of Distant detached objects (DDOs). Sedna has a strong reddish coloration. The orbit is strongly elliptical. The farthest distance from the Sun is about 0.0142 light years. A radio signal would take over five days from Sedna to Earth.

Important data of Sedna:

Semi-major axis:	507 AU (about 76,000 mil. km)
Eccentricity:	0.84
Perihelion – Aphelion:	76.15 AU - 1007 AU
Ecliptic inclination:	11.9°
Sidereal orbit period:	12,606 a
Average orbital speed:	1.036 km/s
Mean diameter:	995 km
Sidereal rotation periode:	10.273 h

Link: https://en.wikipedia.org/wiki/90377_Sedna