Orcus (Dwarf Planet Candidate)

Diameter: 917 km - here: 1 mm

Mass: $6.41*10^{20}$ kg

Surface temperature: -229 °C

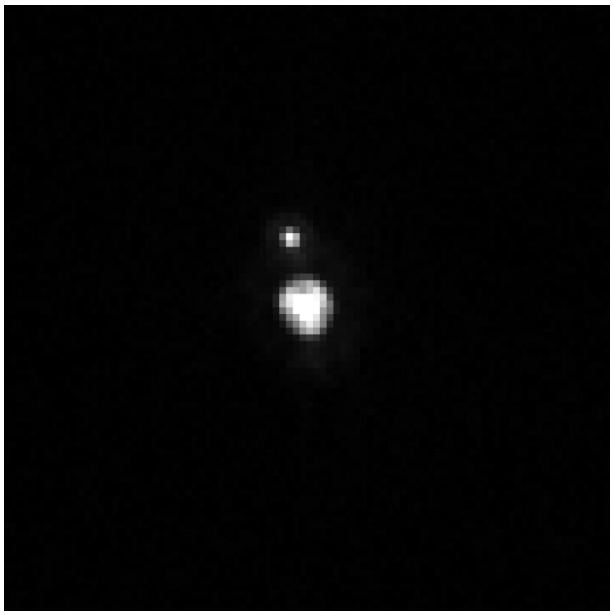
Distance to the Sun: 5.87 billion km - here: 5.87 km

Orbital period: 244 years

Number of moons: 1

Sponsored by: Carola Klupsch, Frankfurt (Oder)

Dwarf Planet Candidate Orcus



Picture (Orcus and its moon Vath):
Author: Hubble Space Telescope/Michael E. Brown (processing by Nrco0e at English Wikipedia)
https://en.wikipedia.org/wiki/90482_Orcus#/media/File:Orcus-Vanth_orbit.gif

The candidate is named after the Roman god of the underworld, Orcus (equivalent to Pluto). Orcus belongs to the Plutoids (distant object) and is located in the Kuiper belt. It is called anti-Pluto because of its very similar orbit. Because of the 2:3 orbital resonance to Neptune, it is always on the opposite side of the sun as Pluto. Orcus has a relatively large moon (Vanth - half the diameter of Orcus), creating a double asteroid system similar to Earth-Moon. Vanth has a

bound rotation. The surface of Orcus is relatively bright and has a gray color. It consists mainly of crystalline water ice, which is formed by cryovolcanic activity.

Important data of Orcus:

Major-semi axis:	39.27 AU (about 5,900 mil. km)
Eccentricity:	0.22
Perihelion – Aphelion:	30.47 AU – 48.067 AU
Ecliptic inclination:	20.6°
Sidereal orbit period:	244 a
Average orbit speed:	4.714 km/s
Mean diameter:	917 km
Mass:	about 0.0001 Earth masses ($6.41*10^{20}$kg)
Mean density:	1.53 g/cm³
sidereal rotation period:	9.54 h

Link: https://en.wikipedia.org/wiki/90482_Orcus