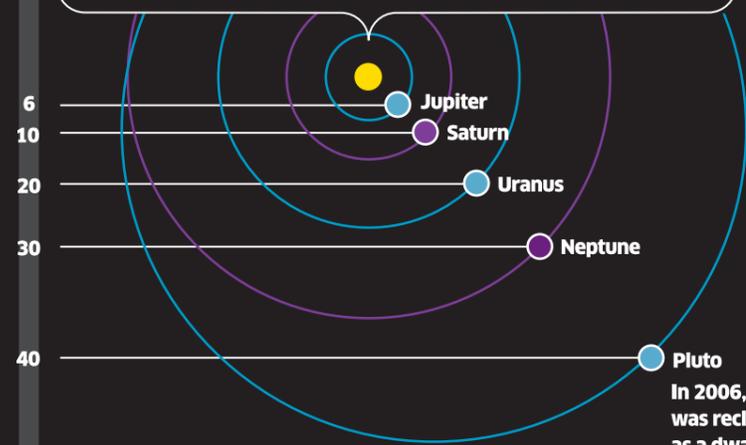


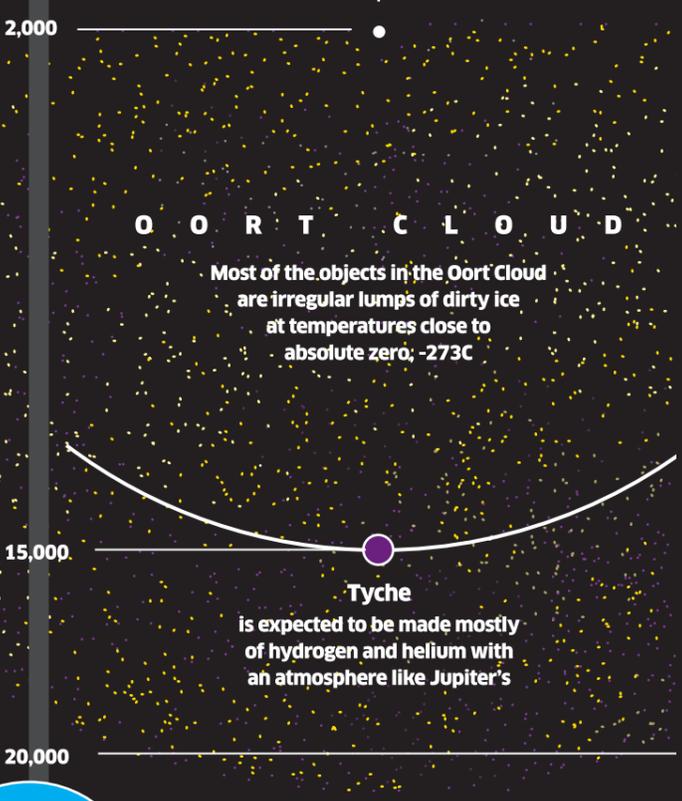
Nasa's Wide-field Infrared Survey Explorer (Wise) is in a polar orbit 525 km above the Earth. Its mission is to discover undetected cosmic objects by observing the infrared glow from distant asteroids, comets, stars and galaxies



1 AU = 150 million km
Distance of Earth from Sun



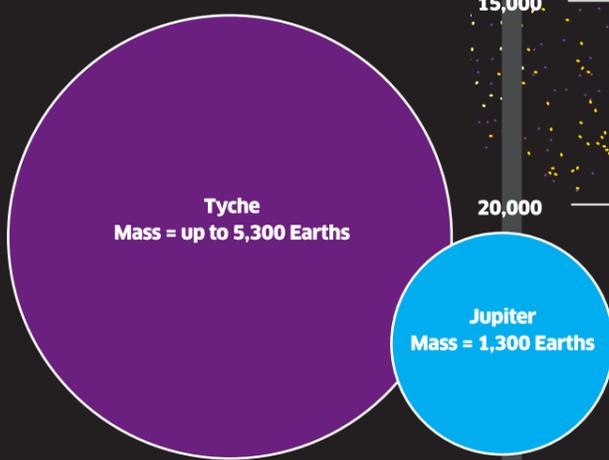
In 2006, Pluto was reclassified as a dwarf planet



O O R T C L O U D

Most of the objects in the Oort Cloud are irregular lumps of dirty ice at temperatures close to absolute zero, -273C

Tyche is expected to be made mostly of hydrogen and helium with an atmosphere like Jupiter's



Tyche
Mass = up to 5,300 Earths

Jupiter
Mass = 1,300 Earths

I N T E R S T E L L A R
S P A C E

Earth
Mass = 6×10^{24} kg

GRAPHIC - Liz Gould