

The troposphere extends in all solar system planets from > 1 bar to a pressure level of about 0.1 bar. This is the range where most of the thermal radiation is escaping from the planetary atmosphere.

Earth and Mars are the only planets in the Solar System which orbit within the Sun's habitable zone, in which the sunlight can make surface water under atmospheric pressure liquid. Beyond the frost line at about five ...

OverviewGeneral characteristicsDefinitionFormation and evolutionSunInner Solar SystemOuter Solar SystemTrans-Neptunian regionAstronomers sometimes divide the Solar System structure into separate regions. The inner Solar System includes Mercury, Venus, Earth, Mars, and the bodies in the asteroid belt. The outer Solar System includes Jupiter, Saturn, Uranus, Neptune, and the bodies in the Kuiper belt. Since the discovery of the Kuiper belt, the outermost parts of the Solar System are considered a distinct region consisting of the objects beyond Neptune

Online 3D simulation of the Solar System and night sky in real time - the Sun, planets, dwarf planets, comets, stars and constellations

This chart shows a comparison of the atmospheric compositions and pressures of the planets in our Solar System. More information about the chart is...

Using observations of galactic cosmic rays -- a type of highly energetic particle -- from NASA's Voyager spacecraft scientists calculated the total pressure from particles in the outer region of the solar ...

The standard solar model is one of the most complete and successful theories in modern astronomy. I discuss the basic assumptions of the model: hydrostatic equilibrium, energy trans-port, thermonuclear reactions, and ...

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