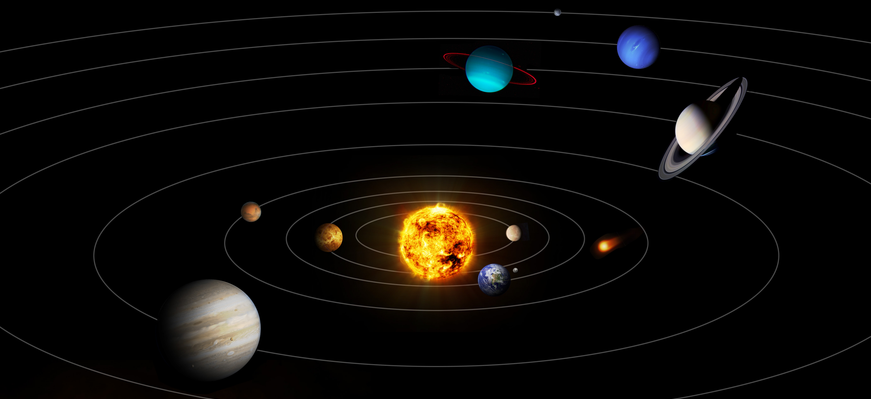
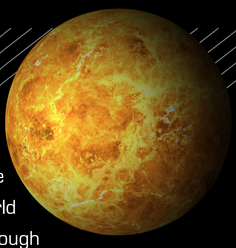
National Aeronautics and Space Administration



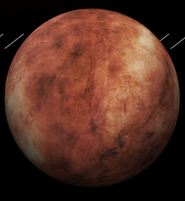
SOLAR SYSTEM

The Sun's hot outer atmosphere produces X-rays, but because it is so close (a mere 93 million miles!), it is too bright for Chandra's sensitive eyes.



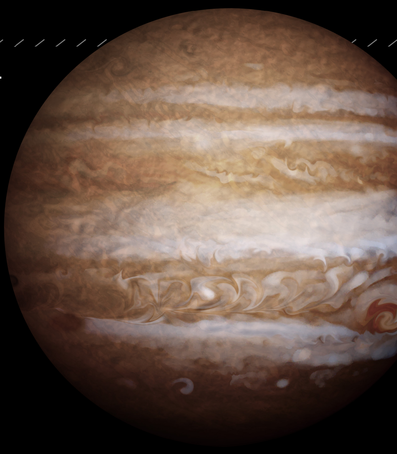
Venus' thick, toxic atmosphere traps heat in a runaway "greenhouse effect." The scorched world has temperatures hot enough to melt lead.

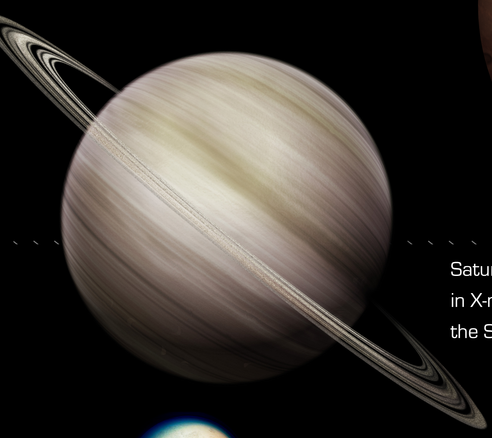
In the "giant impact" theory for the formation of our Moon, a body collided with Earth about 4.5 billion years ago and over tens of millions of years the debris formed our moon.



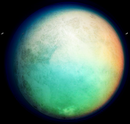
The X-ray power detected from the atmosphere of Mars is very small, amounting to only 4 megawatts, comparable to the X-ray power of about ten thousand medical X-ray machines.

Just as Earth, Jupiter is also witness to auroras. However, their beautiful sights are up to 1000x more powerful than similar auroras seen on Earth.





Saturn's atmosphere may act as a mirror in X-rays, reflecting explosive activity from the Sun.



Titan is Saturn's largest moon and the only moon in the solar system with a thick atmosphere.

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