

Orbital Properties of the Planets

(taken from <http://seds.lpl.arizona.edu/nineplanets/nineplanets/nineplanets.html>)

<u>Planet</u>	distance (x 1000 km)	period (days)	inc (degrees)	eccen.		
<u>Mercury</u>	57910	87.97	7.00	0.21		
<u>Venus</u>	108200	224.70	3.39	0.01		
<u>Earth</u>	149600	365.26	0.00	0.02		
<u>Mars</u>	227940	686.98	1.85	0.09		
<u>Jupiter</u>	778330	4332.71	1.31	0.05		
<u>Saturn</u>	1429400	10759.50	2.49	0.06		
<u>Uranus</u>	2870990	30685.00	0.77	0.05	<u>Herschel</u>	1781
<u>Neptune</u>	4504300	60190.00	1.77	0.01	<u>Adams (9)</u>	1846
<u>Pluto</u>	5913520	90550	17.15	0.25	<u>Tombaugh</u>	1930

Physical Properties of the Sun and Planets

<u>Object</u>	radius (km)	mass (kg)	density (g/cm ³)	rotation period (days)
<u>Sun</u>	695000	1.99e30	1.41	24.6
<u>Mercury</u>	2440	3.30e23	5.43	58.6
<u>Venus</u>	6052	4.87e24	5.24	-243.
<u>Earth</u>	6378	5.97e24	5.52	0.99
<u>Mars</u>	3397	6.42e23	3.93	1.03
<u>Jupiter</u>	71492	1.90e27	1.33	0.41
<u>Saturn</u>	60268	5.68e26	0.69	0.45
<u>Uranus</u>	25559	8.68e25	1.32	-0.72
<u>Neptune</u>	24766	1.02e26	1.64	0.67
<u>Pluto</u>	1150	1.27e22	2.06	-6.39

Notes: The notation of 5.97e24 for the Earth's mass means 5.97 x 10²⁴. That's approximately 6 followed by 24 zeros! The negative rotation periods reflect the convention that if something is going 'round the wrong way, it's considered negative.