

## Basic Planetary Data

	Mercury	Venus	Earth	Mars	Jupiter
Mean distance from Sun (millions of kilometers)	57.9	108.2	149.6	227.9	778.3
Mean distance from Sun (millions of miles)	36.0	67.24	92.9	141.71	483.88
Period of revolution	88 days	224.7 days	365.2 days	687 days	11.86 yrs
Rotation period	59 days	243 days retrograde	23 hr 56 min 4 sec	24 hr 37 min	9 hr 55 min 30 sec
Inclination of axis	Near 0°	3°	23°27'	25° 12'	3° 5'
Inclination of orbit to ecliptic	7°	3.4°	0°	1.9°	1.3°
Eccentricity of orbit	.206	.007	.017	.093	.048
Equatorial diameter (kilometers)	4,880	12,100	12,756	6,794	142,800
(miles)	3,032.4	7,519	7,926.2	4,194	88,736
Atmosphere (main components)	Virtually none	Carbon dioxide	Nitrogen oxygen	Carbon dioxide	Hydrogen helium
Satellites	0	0	1	2	63 <sup>1</sup>
Rings	0	0	0	0	3

	Saturn	Uranus	Neptune	Pluto <sup>5</sup>
Mean distance from Sun (millions of kilometers)	1,427	2,870	4,497	5,900
Mean distance from Sun (millions of miles)	887.14	1,783.98	2,796.46	3,666
Period of revolution	29.46 yrs	84 yrs	165 yrs	248 yrs
Rotation period	10 hr 40 min 24 sec	16.8 hr (?) retrograde	16 hr 11 min (?)	6 days 9 hr 18 mins retrograde
Inclination of axis	26°44'	97°55'	28°48'	60° (?)
Inclination of orbit to ecliptic	2.5°	0.8°	1.8°	17.2°
Eccentricity of orbit	.056	.047	.009	.254
Equatorial diameter (kilometers)	120,660	51,810	49,528	2,290 (?)
(miles)	74,978	32,193	30,775	1,423 (?)
Atmosphere (main components)	Hydrogen helium	Helium hydrogen methane	Hydrogen helium methane	None detected
Satellites	56 <sup>2</sup>	27 <sup>3</sup>	13 <sup>4</sup>	3 <sup>6</sup>
Rings	1,000 (?)	11	4	?

1. Forty-five of these moons were discovered only recently, from 2000–2003.

2. Nine new moons were announced in June 2006: S/2004 S19 and S/2006 S1 through S/2006 S8.

3. S/2001 U2 and S/2003 U3 were announced in Fall 2003. 4. S/2003 N1 was announced in Fall 2003.

5. In 2006, the IAU declared Pluto to be a dwarf planet.

6. Two new moons were sighted by the Hubble Space Telescope in Oct. 2005 and confirmed in Feb. 2006.

Source: Basic NASA data and other sources.