	Axial Rotational Period (Rev/Day)	Mean Equatorial Radius (km)	Gravitational Parameter $\mu = Gm$ (km^3/sec^2)	Semi-major Axis of Orbit (km)	Orbital Period (sec)	Eccentricity of Orbit	Inclination of Orbit to Ecliptic (deg)
☉ Sun	0.0394011 (not rigid)	695990.00	1.32712000E+11	———	———	———	———
☾ Moon*	0.0366004	1737.50	4.902800E+03	3.84400000E+05 (around Earth)	2360592 27.322 Earth days	0.05540000	5.16000
☿ Mercury	0.0170515	2.439000E+03	2.203210E+04	5.79092000E+07	7600568.601 87.97 Earth Days	0.205631	7.00487
♀ Venus	0.0041149 (retrograde)	6051.80	3.24859000E+05	1.08209000E+08	19414191.77 224.7 Earth Days	0.006773	3.39471
⊕ Earth	1.0027576	6378.14	3.98600000E+05	1.49589800E+08	31555647.16 365.23 Earth Days	0.01671020	4.98816000E-05
♂ Mars	0.9746985	3397.00	4.282840E+04	2.27937000E+08	59353583.28 686.96 Earth Days	0.09341230	1.85061
♃ Jupiter	2.4181458	71492.00	1.26687000E+08	7.7841200E+08	374396573 11.87 yr	0.04839270	1.30530
♄ Saturn	2.2522523	60330.00	3.79313000E+07	1.42673000E+09	929341659.8 29.47 yr	0.05415060	2.48446
♅ Uranus	1.3921178 (retrograde)	26200.00	5.79397000E+06	2.87097000E+09	2653128427 84.13 yr	0.04716770	0.76986
♆ Neptune	1.4897579	25225.00	6.835110E+06	4.49825000E+09	5203301252 165 yr	0.00858587	1.76917
♇ Pluto	0.1565631	1195.00	8.737670E+02	5.906638E+09	7829522968	0.24880800	17.14180