	Axial Rotational Period	Equatorial Radius (km)	Gravitational Parameter $\mu=Gm(km^3/sec^2)$	Semi–Major–Axis of Orbit (A.U.) (1 A.U. = 1.4960×10^8km)	Orbital Period (Years)	Eccentricity of Orbit	Inclination Of Orbit to Ecliptic (Degrees)
SUN ☉	about 27 d (not rigid)	696,000	1.327×10^{11}	———	———	———	———
MOON ☾	27.322 d	1,738	4.903×10^3	3.844×10^5 km around ⊕	27.322 days	.0549005	5.15
MERCURY ☿	58.6461 d	2,440.12	2.203×10^4	.387099	.2408	.205627	7.00402
VENUS ♀	243.01 d (westward)	6,110	3.2486×10^5	.723332	.6152	.006793	3.39425
EARTH ⊕	.99726 d	6,378.14	3.98600×10^5	1	1	.016726	0
MARS ♂	1.026 d	3,390.74	4.2828×10^4	1.523691	1.8808	.093368	1.84992
JUPITER ♃	.41354 d	70,452	1.2671×10^8	5.202803	11.86	.048435	1.30618
SATURN ♄	.44403 d	57,822	3.794×10^7	9.538843	29.46	.055682	2.48715
URANUS ♅	.68 d (westward)	25,150	5.780×10^6	19.181951	84.0	.047209	.77220
NEPTUNE ♆	.57 d	25,092	6.9×10^6	30.057779	164.8	.008575	1.77320
PLUTO ♇	6.3874 d	2,500	1.0×10^3	39.4385	247.7	.2481112	17.16908

$G = 6.6695 \times 10^{-20}$ $(km)^3/(kg)(sec)^2$