Our Solar System

Distance O_Period

Name # Orbits (000 km) (days) Incl Eccen Discoverer Date A.K.A.

Sun - - - - - - - - Sol (0)

Mercury I Sun 57910 87.97 7.00 0.21 - - (0)

Venus II Sun 108200 224.70 3.39 0.01 - - (0)

Earth III Sun 149600 365.26 0.00 0.02 - - (0)

Mars IV Sun 227940 686.98 1.85 0.09 - - (0)

Jupiter V Sun 778330 4332.71 1.31 0.05 - - (0)

Saturn VI Sun 1429400 10759.50 2.49 0.06 - - (0)

Uranus VII Sun 2870990 30685.00 0.77 0.05 Herschel 1781 (0)

Neptune VIII Sun 4504300 60190.00 1.77 0.01 Adams(9) 1846 (0)

Pluto IX Sun 5913520 90800 17.15 0.25 Tombaugh 1930 (0)

Moon I Earth 384 27.32 5.14 0.05 - - Luna (a, 0)

Phobos I Mars 9 0.32 1.00 0.02 Hall 1877

Deimos II Mars 23 1.26 1.80 0.00 Hall 1877 (b)

Metis XVI Jupiter 128 0.29 0.00 0.00 Synnott 1979 1979 J 3

Adrastea XV Jupiter 129 0.30 0.00 0.00 Jewitt(1) 1979 1979 J 1

Amalthea V Jupiter 181 0.50 0.40 0.00 Barnard 1892

Thebe XIV Jupiter 222 0.67 0.80 0.02 Synnott 1979 1979 J 2

Io I Jupiter 422 1.77 0.04 0.00 Galileo(2) 1610

Europa II Jupiter 671 3.55 0.47 0.01 Galileo(2) 1610

Ganymede III Jupiter 1070 7.15 0.19 0.00 Galileo(2) 1610

Callisto IV Jupiter 1883 16.69 0.28 0.01 Galileo(2) 1610

Leda XIII Jupiter 11094 238.72 27.00 0.15 Kowal 1974

Himalia VI Jupiter 11480 250.57 28.00 0.16 Perrine 1904

Lysithea X Jupiter 11720 259.22 29.00 0.11 Nicholson 1938

Elara VII Jupiter 11737 259.65 28.00 0.21 Perrine 1905

Ananke XII Jupiter 21200 -631 147.00 0.17 Nicholson 1951

Carme XI Jupiter 22600 -692 163.00 0.21 Nicholson 1938

Pasiphae VIII Jupiter 23500 -735 147.00 0.38 Melotte 1908

Sinope IX Jupiter 23700 -758 153.00 0.28 Nicholson 1914

Pan XVIIISaturn 134 0.58 0.00 0.00 Showalter 1990 1981 S 13

Atlas XV Saturn 138 0.60 0.00 0.00 Terrile 1980 1980 S 28

Prometheus XVI Saturn 139 0.61 0.00 0.00 Collins(3) 1980 1980 S 27

Pandora XVII Saturn 142 0.63 0.00 0.00 Collins(3) 1980 1980 S 26

Epimetheus XI Saturn 151 0.69 0.34 0.01 Walker(8) 1980 1980 S 3

Janus X Saturn 151 0.69 0.14 0.01 Dollfus 1966 1980 S 1

Mimas I Saturn 186 0.94 1.53 0.02 Herschel 1789

Enceladus II Saturn 238 1.37 0.02 0.00 Herschel 1789

Tethys III Saturn 295 1.89 1.09 0.00 Cassini 1684

Telesto XIII Saturn 295 1.89 0.00 0.00 Smith(6) 1980 1980 S 13

Calypso XIV Saturn 295 1.89 0.00 0.00 Pascu(7) 1980 1980 S 25

Dione IV Saturn 377 2.74 0.02 0.00 Cassini 1684

Helene XII Saturn 377 2.74 0.20 0.01 Laques(4) 1980 1980 S 6, Dione B

Rhea V Saturn 527 4.52 0.35 0.00 Cassini 1672

Titan VI Saturn 1222 15.95 0.33 0.03 Huygens 1655

Hyperion VII Saturn 1481 21.28 0.43 0.10 Bond(5) 1848

Iapetus VIII Saturn 3561 79.33 14.72 0.03 Cassini 1671

Phoebe IX Saturn 12952 -550.48 175.30 0.16 Pickering 1898

Cordelia VI Uranus 50 0.34 0.14 0.00 Voyager 2 1986 1986 U 7

Ophelia VII Uranus 54 0.38 0.09 0.00 Voyager 2 1986 1986 U 8

Bianca VIII Uranus 59 0.43 0.16 0.00 Voyager 2 1986 1986 U 9

Cressida IX Uranus 62 0.46 0.04 0.00 Voyager 2 1986 1986 U 3

Desdemona X Uranus 63 0.47 0.16 0.00 Voyager 2 1986 1986 U 6

Juliet XI Uranus 64 0.49 0.06 0.00 Voyager 2 1986 1986 U 2

Portia XII Uranus 66 0.51 0.09 0.00 Voyager 2 1986 1986 U 1

Rosalind XIII Uranus 70 0.56 0.28 0.00 Voyager 2 1986 1986 U 4

Belinda XIV Uranus 75 0.62 0.03 0.00 Voyager 2 1986 1986 U 5

1986U10 XVIIIUranus 75 0.64 Karkoschka 1999

Puck XV Uranus 86 0.76 0.31 0.00 Voyager 2 1985 1985 U 1

Miranda V Uranus 130 1.41 4.22 0.00 Kuiper 1948

Ariel I Uranus 191 2.52 0.00 0.00 Lassell 1851

Umbriel II Uranus 266 4.14 0.00 0.00 Lassell 1851

Titania III Uranus 436 8.71 0.00 0.00 Herschel 1787

Oberon IV Uranus 583 13.46 0.00 0.00 Herschel 1787

Caliban XVI Uranus 7100 -580 137.6 0.08 Gladman (c) 1997 1997 U 1

1999U1 XIX Uranus 10000 Kavelaars(d) 1999

Sycorax XVII Uranus 12200 -1290 97.8 0.5 Nicholson(e) 1997 1997 U 2

1999U2 XX Uranus 25000 Gladman (f) 1999

1999U3 XXI Uranus ? Holman (g) 1999

Naiad III Neptune 48 0.29 0.00 0.00 Voyager 2 1989 1989 N 6

Thalassa IV Neptune 50 0.31 4.50 0.00 Voyager 2 1989 1989 N 5

Despina V Neptune 53 0.33 0.00 0.00 Voyager 2 1989 1989 N 3

Galatea VI Neptune 62 0.43 0.00 0.00 Voyager 2 1989 1989 N 4

Larissa VII Neptune 74 0.55 0.00 0.00 Reitsema 1989 1989 N 2

Proteus VIII Neptune 118 1.12 0.00 0.00 Voyager 2 1989 1989 N 1

Triton I Neptune 355 -5.88 157.00 0.00 Lassell 1846

Nereid II Neptune 5513 360.13 29.00 0.75 Kuiper 1949

Charon I Pluto 20 6.39 98.80 0.00 Christy 1978 1978 P 1

The Key:

Orbits : Sun or planet about which it orbits

Distance : Mean distance (semimajor axis) between centers x1000 km

Date : Year discovered

O_Period : Sidereal period of orbit in days (negative=retrograde)

Incl : Orbital inclination

Eccen : Orbital eccentricity

A.K.A : Object's provisional name