

Table 1

SOLAR SIZE	Notes - alternative size	Actual Size Diameter Kilometers	Calculation	Sweden Scale 1:20 million	KALIWOOD Meters Scale 1:40 million	Actual Circumference	Circumference (=Pi x D)		Actual Distance KM	Sweden distance	KALI/100
	a			meters						km	
Sun		1,390,000	69.50	71	35.50		110			0	
Mercury		4,879	0.24	0.25	0.13		0.38		57,910,000	29	2.9
Venus		12,104	0.61	0.62	0.31		0.98		108,200,000	55	5.5
Earth		12,742	0.64	0.65	0.33	40,075	1.02		149,600,000	76	7.6
Earth Moon		3,474	0.17	0.1	0.05				147,000,000	0.2	
Mars		6,779	0.34	0.35	0.18		0.54		227,900,000	116	11.6
Jupiter	143000	139,820	6.99	7.1	3.55		11		778,500,000	400	40
Saturn	125000	116,460	5.82	6.1	3.05		9.4		1.434 billion	730	73
Uranus		50,724	2.54	2.6	1.30		4.08		2.871 billion	1,460	146
			0.00								0
Neptune		49,244	2.46	2.5	1.25		3.8		4.495 billion	2,290	229
Pluto		1,188	0.06	0.12	0.06					3,000	300

SOLAR ROTATION			Rotation on axis time (Earth Days) spin	Orbit the sun time (E Days)	Tilt in degrees
EARTH			1 DAY	365 DAYS	
Sun	Because it is a gas, does not rotate like a solid. The Sun actually spins faster at its equator than at its poles. The Sun rotates once every 24 days at its equator, but only once every 35 near its poles. We know this by watching the motion of sunspots.				
Mercury	Closest to sun. Pull of suns gravity slowed M's spin. spinning back to face the Sun only once every two years. Long darkness very cold. No atmosphere	A Mercury dweller would spend one whole M year by day and then one year by night.,	59 days - very slow	88 days - only 3 earth months	0 but highly elliptical orbit
Venus	Similar in size and weight to earth. Toxic. Hottest planet. Spins anticlockwise around sun, but axis clockwise. Venus dweller would see sun rise in west and set in east. Venus day is 100 earth days long and about half the length of a venus year. Therefore 50 earth days in continual darkness. //	TILT A full circle is 360°. Half a circle is 180°. So if you subtract 177.3° from 180°, you get 2.7°. In other words, Venus is actually only tilted away from the plane of the ecliptic by only 2.7°. Venus is actually completely upside down – almost perfectly upside down.	243 days - even slower	225 days	177.4
Earth			1 day - 24 hours	365 days	23.5
Earth Moon					
Mars	Like earth spins anticlockwise, similar length of day		24.6 hours - same	686 days	25
Jupiter	Despite being 300 times heavier it spins faster		10 hours - faster	12 years 4,332 days	3.13
Saturn	Despite being 300 times heavier it spins faster		10 hours - faster	29.42 years	26
Uranus	Almost completely sideways, its north and south poles lying in the same plane as its orbit		17 hours -	84.3 years	98
Neptune	Right way up		16 hours	165 years Ellipitcal	30
Pluto					

SOLAR TEMP		TEMP MIN	TEMP MAX	Atmosphere	Moons
			Celcius		
Sun					
Mercury	slow orbit, night and day	-170	+449	the most extreme temperature range of any other planet in the solar system. But Thin so escapes	0
Venus	Slight variation	+465	+465	Hottest Planet due to thick atmosphere. almost complet of carbon dioxide, with traces of nitrogen	0
Earth		-89	+58		1
Earth Moon	Little atmosphere harsh, cold world	-129	+127	Technically no atmosphere but exosphere	
		-125	+20		2
Mars	Heat driven not the sun but interior of planet iron	-145 Clouds of Jupiter	+24,000 Planet's center hotter than the surface of the sun!	carbon dioxide (95.32%)	79 known moons. Io, Europa, Ganymede
Jupiter	Cool	-178	-178 average - cool planet	molecular hydrogen and helium	82, of which 53 named
Saturn	Coldest	-218	-153 coldest planet in SS	Saturn's atmosphere, although similar to Jupiter's, is much less interesting to look at from a distance.	27 known Shakespeare named Oberon and Titania
Uranus	huge storms	-214 Average	7000 at core	hydrogen and helium	14 including Triton
Neptune	the wildest in SS. huge storms high winds.		200 degrees Celsius (minus 392 degrees Fahrenheit)	hydrogen and helium	
Pluto				mainly of amounts of methane	