

Analemmatic Sundial

Latitude: 26.0° N/S

Earliest Sunrise: 5:07 a.m. Latest Sunset: 6:53 p.m.
 Semi-Major Axis (E-W): 1000 mm Semi-Minor Axis (N-S): 438.4 mm
 Sunrise/Sunset Markers: X = ± 794.7 mm

Local Time	X	Y	Z	W	Local Time	X	Y	Z	W		
12:00	0.0	438.4	438.4	0.0							
11:55	12:05	21.8	438.3	438.8	21.8	8:25	3:35	806.4	259.2	847.1	826.1
11:50	12:10	43.6	438.0	440.1	43.6	8:20	3:40	819.2	251.4	856.9	840.2
11:45	12:15	65.4	437.4	442.3	65.4	8:15	3:45	831.5	243.5	866.4	854.0
11:40	12:20	87.2	436.7	445.3	87.2	8:10	3:50	843.4	235.5	875.7	867.4
11:35	12:25	108.9	435.8	449.2	108.9	8:05	3:55	854.9	227.4	884.6	880.6
11:30	12:30	130.5	434.6	453.8	130.6	8:00	4:00	866.0	219.2	893.3	893.3
11:25	12:35	152.1	433.3	459.2	152.2	7:55	4:05	876.7	210.9	901.7	905.8
11:20	12:40	173.6	431.7	465.3	173.8	7:50	4:10	887.0	202.4	909.8	917.9
11:15	12:45	195.1	429.9	472.1	195.3	7:45	4:15	896.9	193.9	917.6	929.6
11:10	12:50	216.4	428.0	479.6	216.7	7:40	4:20	906.3	185.3	925.0	941.0
11:05	12:55	237.7	425.8	487.7	238.0	7:35	4:25	915.3	176.6	932.2	952.0
11:00	1:00	258.8	423.4	496.3	259.2	7:30	4:30	923.9	167.8	939.0	962.7
10:55	1:05	279.8	420.9	505.4	280.4	7:25	4:35	932.0	158.9	945.5	973.0
10:50	1:10	300.7	418.1	515.0	301.4	7:20	4:40	939.7	149.9	951.6	983.0
10:45	1:15	321.4	415.1	525.0	322.3	7:15	4:45	946.9	140.9	957.4	992.6
10:40	1:20	342.0	411.9	535.4	343.0	7:10	4:50	953.7	131.8	962.8	1001.8
10:35	1:25	362.4	408.6	546.2	363.7	7:05	4:55	960.0	122.7	967.9	1010.6
10:30	1:30	382.7	405.0	557.2	384.1	7:00	5:00	965.9	113.5	972.6	1019.1
10:25	1:35	402.7	401.2	568.5	404.5	6:55	5:05	971.3	104.2	976.9	1027.2
10:20	1:40	422.6	397.3	580.0	424.6	6:50	5:10	976.3	94.9	980.9	1035.0
10:15	1:45	442.3	393.2	591.8	444.6	6:45	5:15	980.8	85.5	984.5	1042.3
10:10	1:50	461.7	388.8	603.7	464.4	6:40	5:20	984.8	76.1	987.7	1049.3
10:05	1:55	481.0	384.3	615.7	484.0	6:35	5:25	988.4	66.7	990.6	1055.9
10:00	2:00	500.0	379.6	627.8	503.4	6:30	5:30	991.4	57.2	993.1	1062.2
9:55	2:05	518.8	374.8	640.0	522.7	6:25	5:35	994.1	47.7	995.2	1068.1
9:50	2:10	537.3	369.7	652.2	541.7	6:20	5:40	996.2	38.2	996.9	1073.6
9:45	2:15	555.6	364.5	664.5	560.5	6:15	5:45	997.9	28.7	998.3	1078.7
9:40	2:20	573.6	359.1	676.7	579.0	6:10	5:50	999.0	19.1	999.2	1083.5
9:35	2:25	591.3	353.5	688.9	597.4	6:05	5:55	999.8	9.6	999.8	1087.8
9:30	2:30	608.8	347.8	701.1	615.5	6:00	6:00	1000.0	0.0	1000.0	1091.9
9:25	2:35	625.9	341.9	713.2	633.3	5:55	6:05	999.8	-9.6	999.8	1095.5
9:20	2:40	642.8	335.8	725.2	650.9	5:50	6:10	999.0	-19.1	999.2	1098.8
9:15	2:45	659.3	329.6	737.1	668.3	5:45	6:15	997.9	-28.7	998.3	1101.7
9:10	2:50	675.6	323.2	748.9	685.3	5:40	6:20	996.2	-38.2	996.9	1104.3
9:05	2:55	691.5	316.7	760.6	702.1	5:35	6:25	994.1	-47.7	995.2	1106.5
9:00	3:00	707.1	310.0	772.1	718.7	5:30	6:30	991.4	-57.2	993.1	1108.4
8:55	3:05	722.4	303.1	783.4	734.9	5:25	6:35	988.4	-66.7	990.6	1109.9
8:50	3:10	737.3	296.2	794.5	750.9	5:20	6:40	984.8	-76.1	987.7	1111.1
8:45	3:15	751.8	289.0	805.5	766.5	5:15	6:45	980.8	-85.5	984.5	1111.9
8:40	3:20	766.0	281.8	816.2	781.9	5:10	6:50	976.3	-94.9	980.9	1112.4
8:35	3:25	779.9	274.4	826.7	796.9	5:05	6:55	971.3	-104.2	976.9	1112.6
8:30	3:30	793.4	266.9	837.0	811.7	5:00	7:00	965.9	-113.5	972.6	1112.4

Analemmatic Sundial

Latitude: 26.0° N/S

Date Scale

Semi-Major Axis (E-W): 1000 mm Semi-Minor Axis (N-S): 438.4 mm

Month	Date										
	1	5	6	10	11	15	16	20	21	25	26
January	-381.3	-374.1	-371.9	-362.0	-359.1	-346.8	-343.4	-328.7	-324.8	-308.3	-303.9
February	-275.8	-255.7	-250.4	-229.1	-223.8	-201.4	-195.6	-172.6	-166.7	-143.0	-136.9
March	-118.8	-94.5	-88.3	-63.6	-57.5	-32.6	-26.5	-1.6	4.5	29.3	35.5
April	72.3	96.5	102.6	126.3	132.2	155.6	161.2	184.0	189.6	211.5	216.8
May	242.8	262.8	267.6	286.2	290.6	307.7	311.8	327.3	331.0	344.7	347.7
June	364.6	373.4	375.4	381.9	383.4	387.5	388.0	389.5	389.7	386.9	388.2
July	383.4	377.3	375.4	367.2	364.8	354.0	351.1	338.4	335.0	320.4	316.5
August	291.7	273.6	269.0	249.6	244.7	224.3	218.9	197.6	192.2	170.0	164.3
September	130.0	106.5	100.7	76.7	70.7	46.6	40.7	16.3	10.2	-14.3	-20.4
October	-50.9	-75.3	-81.3	-105.6	-111.5	-135.4	-141.4	-164.8	-170.6	-193.5	-199.1
November	-231.9	-253.0	-258.1	-277.9	-282.7	-301.1	-305.4	-322.2	-326.1	-340.9	-344.5
December	-359.9	-370.3	-372.5	-380.0	-381.7	-386.5	-387.5	-389.5	-389.7	-388.8	-388.2

Northern Hemisphere

Month	Date										
	1	5	6	10	11	15	16	20	21	25	26
January	381.3	374.1	371.9	362.0	359.1	346.8	343.4	328.7	324.8	308.3	303.9
February	275.8	255.7	250.4	229.1	223.8	201.4	195.6	172.6	166.7	143.0	136.9
March	118.8	94.5	88.3	63.6	57.5	32.6	26.5	1.6	-4.5	-29.3	-35.5
April	-72.3	-96.5	-102.6	-126.3	-132.2	-155.6	-161.2	-184.0	-189.6	-211.5	-216.8
May	-242.8	-262.8	-267.6	-286.2	-290.6	-307.7	-311.8	-327.3	-331.0	-344.7	-347.7
June	-364.6	-373.4	-375.4	-381.9	-383.4	-387.5	-388.0	-389.5	-389.7	-386.9	-388.2
July	-383.4	-377.3	-375.4	-367.2	-364.8	-354.0	-351.1	-338.4	-335.0	-320.4	-316.5
August	-291.7	-273.6	-269.0	-249.6	-244.7	-224.3	-218.9	-197.6	-192.2	-170.0	-164.3
September	-130.0	-106.5	-100.7	-76.7	-70.7	-46.6	-40.7	-16.3	-10.2	14.3	20.4
October	50.9	75.3	81.3	105.6	111.5	135.4	141.4	164.8	170.6	193.5	199.1
November	231.9	253.0	258.1	277.9	282.7	301.1	305.4	322.2	326.1	340.9	344.5
December	359.9	370.3	372.5	380.0	381.7	386.5	387.5	389.5	389.7	388.8	388.2

Southern Hemisphere

The shaded "Date" boxes identify the two extremes of the "Date Scale" that occur on the Summer and Winter Solstices.

A number of "Date Scale" configurations are available including the following "Date Line" combinations:

- | | | |
|---------|------------|--------------------|
| a) 1 | c) 1,10,20 | e) 1,5,10,15,20,25 |
| b) 1,15 | d) 1,11,21 | f) 1,6,11,16,21,26 |

Analemmatic Sundial

Latitude: 26.0° N/S

Earliest Sunrise: 5:07 a.m. Latest Sunset: 6:53 p.m.
 Semi-Major Axis (E-W): 1500 mm Semi-Minor Axis (N-S): 657.6 mm
 Sunrise/Sunset Markers: X = ± 1192.1 mm

Local Time	X	Y	Z	W	Local Time	X	Y	Z	W		
12:00	0.0	657.6	657.6	0.0							
11:55	12:05	32.7	657.4	658.2	32.7	8:25	3:35	1209.7	388.8	1270.6	1239.2
11:50	12:10	65.4	656.9	660.2	65.4	8:20	3:40	1228.7	377.2	1285.3	1260.3
11:45	12:15	98.1	656.1	663.4	98.1	8:15	3:45	1247.2	365.3	1299.6	1281.0
11:40	12:20	130.7	655.1	668.0	130.8	8:10	3:50	1265.1	353.3	1313.5	1301.2
11:35	12:25	163.3	653.6	673.7	163.3	8:05	3:55	1282.4	341.1	1327.0	1320.8
11:30	12:30	195.8	651.9	680.7	195.9	8:00	4:00	1299.0	328.8	1340.0	1340.0
11:25	12:35	228.2	649.9	688.8	228.3	7:55	4:05	1315.1	316.3	1352.6	1358.7
11:20	12:40	260.5	647.6	698.0	260.7	7:50	4:10	1330.5	303.6	1364.7	1376.8
11:15	12:45	292.6	644.9	708.2	292.9	7:45	4:15	1345.3	290.8	1376.4	1394.4
11:10	12:50	324.7	642.0	719.4	325.0	7:40	4:20	1359.5	277.9	1387.6	1411.5
11:05	12:55	356.5	638.7	731.5	357.0	7:35	4:25	1373.0	264.8	1398.3	1428.0
11:00	1:00	388.2	635.2	744.4	388.9	7:30	4:30	1385.8	251.6	1408.5	1444.0
10:55	1:05	419.7	631.3	758.1	420.6	7:25	4:35	1398.0	238.3	1418.2	1459.5
10:50	1:10	451.1	627.1	772.5	452.1	7:20	4:40	1409.5	224.9	1427.4	1474.4
10:45	1:15	482.2	622.7	787.5	483.4	7:15	4:45	1420.4	211.4	1436.0	1488.8
10:40	1:20	513.0	617.9	803.1	514.6	7:10	4:50	1430.6	197.7	1444.2	1502.7
10:35	1:25	543.7	612.8	819.2	545.5	7:05	4:55	1440.1	184.0	1451.8	1515.9
10:30	1:30	574.0	607.5	835.8	576.2	7:00	5:00	1448.9	170.2	1458.8	1528.7
10:25	1:35	604.1	601.9	852.8	606.7	6:55	5:05	1457.0	156.3	1465.4	1540.8
10:20	1:40	633.9	595.9	870.1	636.9	6:50	5:10	1464.4	142.3	1471.3	1552.4
10:15	1:45	663.4	589.7	887.7	666.9	6:45	5:15	1471.2	128.3	1476.8	1563.5
10:10	1:50	692.6	583.3	905.5	696.6	6:40	5:20	1477.2	114.2	1481.6	1574.0
10:05	1:55	721.5	576.5	923.5	726.0	6:35	5:25	1482.5	100.0	1485.9	1583.9
10:00	2:00	750.0	569.5	941.7	755.2	6:30	5:30	1487.2	85.8	1489.6	1593.3
9:55	2:05	778.2	562.2	960.0	784.0	6:25	5:35	1491.1	71.6	1492.8	1602.1
9:50	2:10	805.9	554.6	978.3	812.5	6:20	5:40	1494.3	57.3	1495.4	1610.3
9:45	2:15	833.4	546.7	996.7	840.7	6:15	5:45	1496.8	43.0	1497.4	1618.0
9:40	2:20	860.4	538.6	1015.1	868.5	6:10	5:50	1498.6	28.7	1498.8	1625.2
9:35	2:25	887.0	530.3	1033.4	896.0	6:05	5:55	1499.6	14.3	1499.7	1631.8
9:30	2:30	913.1	521.7	1051.7	923.2	6:00	6:00	1500.0	0.0	1500.0	1637.8
9:25	2:35	938.9	512.8	1069.8	950.0	5:55	6:05	1499.6	-14.3	1499.7	1643.3
9:20	2:40	964.2	503.7	1087.8	976.4	5:50	6:10	1498.6	-28.7	1498.8	1648.2
9:15	2:45	989.0	494.4	1105.7	1002.4	5:45	6:15	1496.8	-43.0	1497.4	1652.6
9:10	2:50	1013.4	484.8	1123.4	1028.0	5:40	6:20	1494.3	-57.3	1495.4	1656.5
9:05	2:55	1037.3	475.0	1140.9	1053.2	5:35	6:25	1491.1	-71.6	1492.8	1659.8
9:00	3:00	1060.7	465.0	1158.1	1078.0	5:30	6:30	1487.2	-85.8	1489.6	1662.6
8:55	3:05	1083.5	454.7	1175.1	1102.4	5:25	6:35	1482.5	-100.0	1485.9	1664.9
8:50	3:10	1105.9	444.2	1191.8	1126.3	5:20	6:40	1477.2	-114.2	1481.6	1666.7
8:45	3:15	1127.8	433.6	1208.2	1149.8	5:15	6:45	1471.2	-128.3	1476.8	1667.9
8:40	3:20	1149.1	422.7	1224.3	1172.8	5:10	6:50	1464.4	-142.3	1471.3	1668.7
8:35	3:25	1169.8	411.6	1240.1	1195.4	5:05	6:55	1457.0	-156.3	1465.4	1668.9
8:30	3:30	1190.0	400.3	1255.6	1217.5	5:00	7:00	1448.9	-170.2	1458.8	1668.7

Analemmatic Sundial

Latitude: 26.0° N/S

Date Scale

Semi-Major Axis (E-W): 1500 mm Semi-Minor Axis (N-S): 657.6 mm

Month	Date										
	1	5	6	10	11	15	16	20	21	25	26
January	-572.0	-561.2	-557.9	-543.1	-538.7	-520.2	-515.1	-493.1	-487.2	-462.4	-455.8
February	-413.7	-383.5	-375.7	-343.6	-335.6	-302.1	-293.5	-258.9	-250.1	-214.5	-205.3
March	-178.2	-141.7	-132.4	-95.5	-86.2	-49.0	-39.8	-2.4	6.8	44.0	53.2
April	108.5	144.8	153.8	189.5	198.4	233.4	241.8	276.0	284.4	317.2	325.2
May	364.3	394.2	401.4	429.2	436.0	461.6	467.6	491.0	496.6	517.0	521.6
June	546.9	560.1	563.1	572.8	575.1	581.2	582.0	584.3	584.5	580.3	582.3
July	575.1	565.9	563.1	550.7	547.2	531.1	526.7	507.6	502.5	480.6	474.8
August	437.5	410.4	403.5	374.4	367.1	336.4	328.4	296.4	288.3	255.0	246.5
September	195.0	159.8	151.0	115.1	106.1	69.9	61.0	24.5	15.3	-21.4	-30.6
October	-76.3	-113.0	-122.0	-158.4	-167.2	-203.2	-212.1	-247.2	-256.0	-290.3	-298.6
November	-347.9	-379.5	-387.1	-416.8	-424.0	-451.6	-458.2	-483.3	-489.1	-511.3	-516.7
December	-539.8	-555.4	-558.7	-570.1	-572.6	-579.8	-581.2	-584.3	-584.5	-583.1	-582.3

Northern Hemisphere

Month	Date										
	1	5	6	10	11	15	16	20	21	25	26
January	572.0	561.2	557.9	543.1	538.7	520.2	515.1	493.1	487.2	462.4	455.8
February	413.7	383.5	375.7	343.6	335.6	302.1	293.5	258.9	250.1	214.5	205.3
March	178.2	141.7	132.4	95.5	86.2	49.0	39.8	2.4	-6.8	-44.0	-53.2
April	-108.5	-144.8	-153.8	-189.5	-198.4	-233.4	-241.8	-276.0	-284.4	-317.2	-325.2
May	-364.3	-394.2	-401.4	-429.2	-436.0	-461.6	-467.6	-491.0	-496.6	-517.0	-521.6
June	-546.9	-560.1	-563.1	-572.8	-575.1	-581.2	-582.0	-584.3	-584.5	-580.3	-582.3
July	-575.1	-565.9	-563.1	-550.7	-547.2	-531.1	-526.7	-507.6	-502.5	-480.6	-474.8
August	-437.5	-410.4	-403.5	-374.4	-367.1	-336.4	-328.4	-296.4	-288.3	-255.0	-246.5
September	-195.0	-159.8	-151.0	-115.1	-106.1	-69.9	-61.0	-24.5	-15.3	21.4	30.6
October	76.3	113.0	122.0	158.4	167.2	203.2	212.1	247.2	256.0	290.3	298.6
November	347.9	379.5	387.1	416.8	424.0	451.6	458.2	483.3	489.1	511.3	516.7
December	539.8	555.4	558.7	570.1	572.6	579.8	581.2	584.3	584.5	583.1	582.3

Southern Hemisphere

The shaded "Date" boxes identify the two extremes of the "Date Scale" that occur on the Summer and Winter Solstices.

A number of "Date Scale" configurations are available including the following "Date Line" combinations:

- | | | |
|---------|------------|--------------------|
| a) 1 | c) 1,10,20 | e) 1,5,10,15,20,25 |
| b) 1,15 | d) 1,11,21 | f) 1,6,11,16,21,26 |

Analemmatic Sundial

Latitude: 26.0° N/S

Earliest Sunrise: 5:07 a.m. Latest Sunset: 6:53 p.m.
 Semi-Major Axis (E-W): 2000 mm Semi-Minor Axis (N-S): 876.7 mm
 Sunrise/Sunset Markers: X = ± 1589.4 mm

Local Time	X	Y	Z	W	Local Time	X	Y	Z	W		
12:00	0.0	876.7	876.7	0.0							
11:55	12:05	43.6	876.5	877.6	43.6	8:25	3:35	1612.9	518.4	1694.2	1652.2
11:50	12:10	87.2	875.9	880.2	87.2	8:20	3:40	1638.3	502.9	1713.7	1680.4
11:45	12:15	130.8	874.9	884.6	130.8	8:15	3:45	1662.9	487.1	1732.8	1708.0
11:40	12:20	174.3	873.4	890.6	174.3	8:10	3:50	1686.8	471.1	1751.3	1734.9
11:35	12:25	217.7	871.5	898.3	217.8	8:05	3:55	1709.8	454.8	1769.3	1761.1
11:30	12:30	261.1	869.2	907.6	261.2	8:00	4:00	1732.1	438.4	1786.7	1786.7
11:25	12:35	304.2	866.5	918.4	304.4	7:55	4:05	1753.5	421.7	1803.5	1811.5
11:20	12:40	347.3	863.4	930.7	347.6	7:50	4:10	1774.0	404.8	1819.6	1835.7
11:15	12:45	390.2	859.9	944.3	390.5	7:45	4:15	1793.7	387.8	1835.2	1859.2
11:10	12:50	432.9	856.0	959.2	433.4	7:40	4:20	1812.6	370.5	1850.1	1882.0
11:05	12:55	475.4	851.6	975.3	476.0	7:35	4:25	1830.6	353.1	1864.4	1904.0
11:00	1:00	517.6	846.9	992.5	518.5	7:30	4:30	1847.8	335.5	1878.0	1925.4
10:55	1:05	559.7	841.7	1010.8	560.8	7:25	4:35	1864.0	317.8	1890.9	1946.0
10:50	1:10	601.4	836.2	1030.0	602.8	7:20	4:40	1879.4	299.9	1903.2	1965.9
10:45	1:15	642.9	830.2	1050.0	644.6	7:15	4:45	1893.9	281.8	1914.7	1985.1
10:40	1:20	684.0	823.9	1070.8	686.1	7:10	4:50	1907.4	263.6	1925.6	2003.5
10:35	1:25	724.9	817.1	1092.3	727.3	7:05	4:55	1920.1	245.3	1935.7	2021.3
10:30	1:30	765.4	810.0	1114.4	768.3	7:00	5:00	1931.9	226.9	1945.1	2038.2
10:25	1:35	805.5	802.5	1137.0	808.9	6:55	5:05	1942.7	208.4	1953.8	2054.4
10:20	1:40	845.2	794.6	1160.1	849.2	6:50	5:10	1952.6	189.8	1961.8	2069.9
10:15	1:45	884.6	786.3	1183.5	889.2	6:45	5:15	1961.6	171.0	1969.0	2084.7
10:10	1:50	923.5	777.7	1207.3	928.8	6:40	5:20	1969.6	152.2	1975.5	2098.6
10:05	1:55	962.0	768.7	1231.4	968.0	6:35	5:25	1976.7	133.4	1981.2	2111.9
10:00	2:00	1000.0	759.3	1255.6	1006.9	6:30	5:30	1982.9	114.4	1986.2	2124.4
9:55	2:05	1037.5	749.5	1280.0	1045.3	6:25	5:35	1988.1	95.4	1990.4	2136.1
9:50	2:10	1074.6	739.4	1304.4	1083.3	6:20	5:40	1992.4	76.4	1993.9	2147.1
9:45	2:15	1111.1	729.0	1328.9	1120.9	6:15	5:45	1995.7	57.3	1996.5	2157.4
9:40	2:20	1147.2	718.2	1353.4	1158.1	6:10	5:50	1998.1	38.2	1998.5	2166.9
9:35	2:25	1182.6	707.0	1377.9	1194.7	6:05	5:55	1999.5	19.1	1999.6	2175.7
9:30	2:30	1217.5	695.6	1402.2	1230.9	6:00	6:00	2000.0	0.0	2000.0	2183.7
9:25	2:35	1251.8	683.8	1426.4	1266.6	5:55	6:05	1999.5	-19.1	1999.6	2191.0
9:20	2:40	1285.6	671.6	1450.4	1301.8	5:50	6:10	1998.1	-38.2	1998.5	2197.6
9:15	2:45	1318.7	659.2	1474.3	1336.5	5:45	6:15	1995.7	-57.3	1996.5	2203.5
9:10	2:50	1351.2	646.4	1497.8	1370.7	5:40	6:20	1992.4	-76.4	1993.9	2208.6
9:05	2:55	1383.0	633.3	1521.1	1404.3	5:35	6:25	1988.1	-95.4	1990.4	2213.1
9:00	3:00	1414.2	620.0	1544.1	1437.3	5:30	6:30	1982.9	-114.4	1986.2	2216.8
8:55	3:05	1444.7	606.3	1566.8	1469.8	5:25	6:35	1976.7	-133.4	1981.2	2219.9
8:50	3:10	1474.6	592.3	1589.1	1501.7	5:20	6:40	1969.6	-152.2	1975.5	2222.2
8:45	3:15	1503.7	578.1	1611.0	1533.1	5:15	6:45	1961.6	-171.0	1969.0	2223.9
8:40	3:20	1532.1	563.6	1632.5	1563.8	5:10	6:50	1952.6	-189.8	1961.8	2224.9
8:35	3:25	1559.8	548.8	1653.5	1593.9	5:05	6:55	1942.7	-208.4	1953.8	2225.2
8:30	3:30	1586.7	533.7	1674.1	1623.4	5:00	7:00	1931.9	-226.9	1945.1	2224.9

Analematic Sundial

Latitude: 26.0° N/S

Date Scale

Semi-Major Axis (E-W): 2000 mm Semi-Minor Axis (N-S): 876.7 mm

Month	Date										
	1	5	6	10	11	15	16	20	21	25	26
January	-762.7	-748.3	-743.9	-724.1	-718.3	-693.6	-686.8	-657.5	-649.7	-616.5	-607.8
February	-551.6	-511.4	-500.9	-458.2	-447.5	-402.8	-391.3	-345.2	-333.5	-286.0	-273.8
March	-237.6	-188.9	-176.6	-127.3	-115.0	-65.3	-53.0	-3.1	9.1	58.7	70.9
April	144.6	193.1	205.1	252.6	264.5	311.1	322.5	368.0	379.1	422.9	433.6
May	485.7	525.7	535.2	572.3	581.3	615.5	623.5	654.6	662.1	689.3	695.4
June	729.2	746.8	750.8	763.8	766.7	774.9	776.0	779.0	779.4	773.8	776.4
July	766.7	754.5	750.8	734.3	729.6	708.1	702.3	676.7	669.9	640.8	633.0
August	583.4	547.2	537.9	499.2	489.4	448.5	437.9	395.2	384.4	340.0	328.6
September	260.0	213.1	201.3	153.5	141.5	93.3	81.3	32.6	20.4	-28.6	-40.8
October	-101.8	-150.6	-162.6	-211.2	-222.9	-270.9	-282.8	-329.6	-341.3	-387.0	-398.2
November	-463.9	-506.0	-516.1	-555.8	-565.4	-602.2	-610.9	-644.3	-652.1	-681.8	-688.9
December	-719.7	-740.5	-745.0	-760.1	-763.4	-773.0	-774.9	-779.0	-779.4	-777.5	-776.4

Northern Hemisphere

Month	Date										
	1	5	6	10	11	15	16	20	21	25	26
January	762.7	748.3	743.9	724.1	718.3	693.6	686.8	657.5	649.7	616.5	607.8
February	551.6	511.4	500.9	458.2	447.5	402.8	391.3	345.2	333.5	286.0	273.8
March	237.6	188.9	176.6	127.3	115.0	65.3	53.0	3.1	-9.1	-58.7	-70.9
April	-144.6	-193.1	-205.1	-252.6	-264.5	-311.1	-322.5	-368.0	-379.1	-422.9	-433.6
May	-485.7	-525.7	-535.2	-572.3	-581.3	-615.5	-623.5	-654.6	-662.1	-689.3	-695.4
June	-729.2	-746.8	-750.8	-763.8	-766.7	-774.9	-776.0	-779.0	-779.4	-773.8	-776.4
July	-766.7	-754.5	-750.8	-734.3	-729.6	-708.1	-702.3	-676.7	-669.9	-640.8	-633.0
August	-583.4	-547.2	-537.9	-499.2	-489.4	-448.5	-437.9	-395.2	-384.4	-340.0	-328.6
September	-260.0	-213.1	-201.3	-153.5	-141.5	-93.3	-81.3	-32.6	-20.4	28.6	40.8
October	101.8	150.6	162.6	211.2	222.9	270.9	282.8	329.6	341.3	387.0	398.2
November	463.9	506.0	516.1	555.8	565.4	602.2	610.9	644.3	652.1	681.8	688.9
December	719.7	740.5	745.0	760.1	763.4	773.0	774.9	779.0	779.4	777.5	776.4

Southern Hemisphere

The shaded "Date" boxes identify the two extremes of the "Date Scale" that occur on the Summer and Winter Solstices.

A number of "Date Scale" configurations are available including the following "Date Line" combinations:

- | | | |
|---------|------------|--------------------|
| a) 1 | c) 1,10,20 | e) 1,5,10,15,20,25 |
| b) 1,15 | d) 1,11,21 | f) 1,6,11,16,21,26 |

Analemmatic Sundial

Latitude: 26.0° N/S

Earliest Sunrise: 5:07 a.m. Latest Sunset: 6:53 p.m.
 Semi-Major Axis (E-W): 2500 mm Semi-Minor Axis (N-S): 1095.9 mm
 Sunrise/Sunset Markers: X = ± 1986.8 mm

Local Time	X	Y	Z	W	Local Time	X	Y	Z	W		
12:00	0.0	1095.9	1095.9	0.0							
11:55	12:05	54.5	1095.7	1097.0	54.5	8:25	3:35	2016.1	648.0	2117.7	2065.3
11:50	12:10	109.0	1094.9	1100.3	109.1	8:20	3:40	2047.9	628.6	2142.2	2100.5
11:45	12:15	163.5	1093.6	1105.7	163.5	8:15	3:45	2078.7	608.9	2166.0	2135.0
11:40	12:20	217.9	1091.8	1113.3	217.9	8:10	3:50	2108.5	588.8	2189.2	2168.6
11:35	12:25	272.2	1089.4	1122.9	272.2	8:05	3:55	2137.3	568.5	2211.6	2201.4
11:30	12:30	326.3	1086.6	1134.5	326.5	8:00	4:00	2165.1	548.0	2233.3	2233.3
11:25	12:35	380.3	1083.2	1148.0	380.5	7:55	4:05	2191.8	527.1	2254.3	2264.4
11:20	12:40	434.1	1079.3	1163.3	434.4	7:50	4:10	2217.5	506.0	2274.5	2294.6
11:15	12:45	487.7	1074.9	1180.3	488.2	7:45	4:15	2242.2	484.7	2294.0	2324.0
11:10	12:50	541.1	1070.0	1199.0	541.7	7:40	4:20	2265.8	463.2	2312.6	2352.5
11:05	12:55	594.2	1064.5	1219.1	595.0	7:35	4:25	2288.3	441.4	2330.5	2380.1
11:00	1:00	647.0	1058.6	1240.7	648.1	7:30	4:30	2309.7	419.4	2347.5	2406.7
10:55	1:05	699.6	1052.1	1263.5	700.9	7:25	4:35	2330.0	397.2	2363.6	2432.5
10:50	1:10	751.8	1045.2	1287.5	753.5	7:20	4:40	2349.2	374.8	2378.9	2457.4
10:45	1:15	803.6	1037.8	1312.5	805.7	7:15	4:45	2367.3	352.3	2393.4	2481.4
10:40	1:20	855.1	1029.8	1338.5	857.6	7:10	4:50	2384.3	329.6	2407.0	2504.4
10:35	1:25	906.1	1021.4	1365.4	909.2	7:05	4:55	2400.1	306.7	2419.6	2526.6
10:30	1:30	956.7	1012.5	1393.0	960.3	7:00	5:00	2414.8	283.6	2431.4	2547.8
10:25	1:35	1006.9	1003.1	1421.3	1011.1	6:55	5:05	2428.4	260.5	2442.3	2568.0
10:20	1:40	1056.5	993.2	1450.1	1061.5	6:50	5:10	2440.7	237.2	2452.2	2587.4
10:15	1:45	1105.7	982.9	1479.4	1111.5	6:45	5:15	2452.0	213.8	2461.3	2605.8
10:10	1:50	1154.4	972.1	1509.2	1161.0	6:40	5:20	2462.0	190.3	2469.4	2623.3
10:05	1:55	1202.5	960.8	1539.2	1210.0	6:35	5:25	2470.9	166.7	2476.5	2639.8
10:00	2:00	1250.0	949.1	1569.5	1258.6	6:30	5:30	2478.6	143.0	2482.7	2655.5
9:55	2:05	1296.9	936.9	1600.0	1306.6	6:25	5:35	2485.1	119.3	2488.0	2670.2
9:50	2:10	1343.2	924.3	1630.5	1354.2	6:20	5:40	2490.5	95.5	2492.3	2683.9
9:45	2:15	1388.9	911.2	1661.2	1401.2	6:15	5:45	2494.6	71.7	2495.7	2696.7
9:40	2:20	1433.9	897.7	1691.8	1447.6	6:10	5:50	2497.6	47.8	2498.1	2708.6
9:35	2:25	1478.3	883.8	1722.3	1493.4	6:05	5:55	2499.4	23.9	2499.5	2719.6
9:30	2:30	1521.9	869.5	1752.8	1538.7	6:00	6:00	2500.0	0.0	2500.0	2729.7
9:25	2:35	1564.8	854.7	1783.0	1583.3	5:55	6:05	2499.4	-23.9	2499.5	2738.8
9:20	2:40	1607.0	839.5	1813.1	1627.3	5:50	6:10	2497.6	-47.8	2498.1	2747.0
9:15	2:45	1648.4	824.0	1842.8	1670.6	5:45	6:15	2494.6	-71.7	2495.7	2754.4
9:10	2:50	1689.0	808.0	1872.3	1713.3	5:40	6:20	2490.5	-95.5	2492.3	2760.8
9:05	2:55	1728.8	791.7	1901.4	1755.4	5:35	6:25	2485.1	-119.3	2488.0	2766.4
9:00	3:00	1767.8	774.9	1930.2	1796.7	5:30	6:30	2478.6	-143.0	2482.7	2771.0
8:55	3:05	1805.9	757.8	1958.5	1837.3	5:25	6:35	2470.9	-166.7	2476.5	2774.8
8:50	3:10	1843.2	740.4	1986.3	1877.2	5:20	6:40	2462.0	-190.3	2469.4	2777.8
8:45	3:15	1879.6	722.6	2013.7	1916.3	5:15	6:45	2452.0	-213.8	2461.3	2779.8
8:40	3:20	1915.1	704.4	2040.6	1954.7	5:10	6:50	2440.7	-237.2	2452.2	2781.1
8:35	3:25	1949.7	686.0	2066.9	1992.3	5:05	6:55	2428.4	-260.5	2442.3	2781.5
8:30	3:30	1983.4	667.2	2092.6	2029.2	5:00	7:00	2414.8	-283.6	2431.4	2781.1

Analemmatic Sundial

Latitude: 26.0° N/S

Date Scale

Semi-Major Axis (E-W): 2500 mm Semi-Minor Axis (N-S): 1095.9 mm

Month	Date										
	1	5	6	10	11	15	16	20	21	25	26
January	-953.3	-935.3	-929.8	-905.1	-897.8	-867.0	-858.5	-821.8	-812.1	-770.6	-759.7
February	-689.5	-639.2	-626.1	-572.7	-559.4	-503.5	-489.1	-431.5	-416.9	-357.5	-342.2
March	-297.0	-236.2	-220.7	-159.1	-143.7	-81.6	-66.3	-3.9	11.4	73.4	88.7
April	180.8	241.3	256.4	315.8	330.6	388.9	403.1	460.0	473.9	528.7	541.9
May	607.1	657.1	669.0	715.4	726.6	769.3	779.4	818.3	827.6	861.6	869.3
June	911.5	933.5	938.6	954.7	958.4	968.6	970.0	973.8	974.2	967.2	970.5
July	958.4	943.2	938.6	917.9	911.9	885.1	877.9	845.9	837.4	801.0	791.3
August	729.2	684.0	672.4	624.0	611.8	560.7	547.3	494.0	480.5	425.0	410.8
September	325.0	266.3	251.6	191.8	176.8	116.6	101.6	40.8	25.5	-35.7	-51.0
October	-127.2	-188.3	-203.3	-264.0	-278.7	-338.6	-353.5	-412.0	-426.6	-483.8	-497.7
November	-579.9	-632.4	-645.2	-694.7	-706.7	-752.7	-763.6	-805.4	-815.2	-852.2	-861.2
December	-899.6	-925.7	-931.2	-950.1	-954.3	-966.3	-968.6	-973.8	-974.2	-971.9	-970.5

Northern Hemisphere

Month	Date										
	1	5	6	10	11	15	16	20	21	25	26
January	953.3	935.3	929.8	905.1	897.8	867.0	858.5	821.8	812.1	770.6	759.7
February	689.5	639.2	626.1	572.7	559.4	503.5	489.1	431.5	416.9	357.5	342.2
March	297.0	236.2	220.7	159.1	143.7	81.6	66.3	3.9	-11.4	-73.4	-88.7
April	-180.8	-241.3	-256.4	-315.8	-330.6	-388.9	-403.1	-460.0	-473.9	-528.7	-541.9
May	-607.1	-657.1	-669.0	-715.4	-726.6	-769.3	-779.4	-818.3	-827.6	-861.6	-869.3
June	-911.5	-933.5	-938.6	-954.7	-958.4	-968.6	-970.0	-973.8	-974.2	-967.2	-970.5
July	-958.4	-943.2	-938.6	-917.9	-911.9	-885.1	-877.9	-845.9	-837.4	-801.0	-791.3
August	-729.2	-684.0	-672.4	-624.0	-611.8	-560.7	-547.3	-494.0	-480.5	-425.0	-410.8
September	-325.0	-266.3	-251.6	-191.8	-176.8	-116.6	-101.6	-40.8	-25.5	35.7	51.0
October	127.2	188.3	203.3	264.0	278.7	338.6	353.5	412.0	426.6	483.8	497.7
November	579.9	632.4	645.2	694.7	706.7	752.7	763.6	805.4	815.2	852.2	861.2
December	899.6	925.7	931.2	950.1	954.3	966.3	968.6	973.8	974.2	971.9	970.5

Southern Hemisphere

The shaded "Date" boxes identify the two extremes of the "Date Scale" that occur on the Summer and Winter Solstices.

A number of "Date Scale" configurations are available including the following "Date Line" combinations:

- | | | |
|---------|------------|--------------------|
| a) 1 | c) 1,10,20 | e) 1,5,10,15,20,25 |
| b) 1,15 | d) 1,11,21 | f) 1,6,11,16,21,26 |