

Analemmatic Sundial

Latitude: 62.0° N/S

Earliest Sunrise: 2:07 a.m. Latest Sunset: 9:53 p.m.
 Semi-Major Axis (E-W): 1000 mm Semi-Minor Axis (N-S): 882.9 mm
 Sunrise/Sunset Markers: X = ± 159.1 mm

| Local Time | | X | Y | Z | W | Local Time | | X | Y | Z | W |
|------------|-------|-------|-------|-------|-------|------------|------|--------|--------|--------|--------|
| 12:00 | | 0.0 | 882.9 | 882.9 | 0.0 | | | | | | |
| 11:55 | 12:05 | 21.8 | 882.7 | 883.0 | 21.8 | 8:25 | 3:35 | 806.4 | 522.1 | 960.7 | 883.5 |
| 11:50 | 12:10 | 43.6 | 882.1 | 883.2 | 43.6 | 8:20 | 3:40 | 819.2 | 506.4 | 963.1 | 901.5 |
| 11:45 | 12:15 | 65.4 | 881.1 | 883.5 | 65.4 | 8:15 | 3:45 | 831.5 | 490.5 | 965.4 | 919.4 |
| 11:40 | 12:20 | 87.2 | 879.6 | 883.9 | 87.2 | 8:10 | 3:50 | 843.4 | 474.4 | 967.7 | 937.1 |
| 11:35 | 12:25 | 108.9 | 877.7 | 884.4 | 109.0 | 8:05 | 3:55 | 854.9 | 458.0 | 969.9 | 954.7 |
| 11:30 | 12:30 | 130.5 | 875.4 | 885.1 | 130.7 | 8:00 | 4:00 | 866.0 | 441.5 | 972.1 | 972.1 |
| 11:25 | 12:35 | 152.1 | 872.7 | 885.8 | 152.5 | 7:55 | 4:05 | 876.7 | 424.7 | 974.2 | 989.3 |
| 11:20 | 12:40 | 173.6 | 869.5 | 886.7 | 174.2 | 7:50 | 4:10 | 887.0 | 407.7 | 976.2 | 1006.3 |
| 11:15 | 12:45 | 195.1 | 866.0 | 887.7 | 195.8 | 7:45 | 4:15 | 896.9 | 390.5 | 978.2 | 1023.2 |
| 11:10 | 12:50 | 216.4 | 862.0 | 888.8 | 217.4 | 7:40 | 4:20 | 906.3 | 373.1 | 980.1 | 1039.8 |
| 11:05 | 12:55 | 237.7 | 857.6 | 890.0 | 239.0 | 7:35 | 4:25 | 915.3 | 355.6 | 982.0 | 1056.4 |
| 11:00 | 1:00 | 258.8 | 852.9 | 891.3 | 260.6 | 7:30 | 4:30 | 923.9 | 337.9 | 983.7 | 1072.7 |
| 10:55 | 1:05 | 279.8 | 847.7 | 892.7 | 282.0 | 7:25 | 4:35 | 932.0 | 320.0 | 985.4 | 1088.8 |
| 10:50 | 1:10 | 300.7 | 842.1 | 894.2 | 303.5 | 7:20 | 4:40 | 939.7 | 302.0 | 987.0 | 1104.8 |
| 10:45 | 1:15 | 321.4 | 836.1 | 895.8 | 324.8 | 7:15 | 4:45 | 946.9 | 283.8 | 988.5 | 1120.6 |
| 10:40 | 1:20 | 342.0 | 829.7 | 897.4 | 346.1 | 7:10 | 4:50 | 953.7 | 265.5 | 990.0 | 1136.1 |
| 10:35 | 1:25 | 362.4 | 822.9 | 899.2 | 367.4 | 7:05 | 4:55 | 960.0 | 247.1 | 991.3 | 1151.5 |
| 10:30 | 1:30 | 382.7 | 815.7 | 901.0 | 388.5 | 7:00 | 5:00 | 965.9 | 228.5 | 992.6 | 1166.7 |
| 10:25 | 1:35 | 402.7 | 808.2 | 903.0 | 409.6 | 6:55 | 5:05 | 971.3 | 209.9 | 993.8 | 1181.8 |
| 10:20 | 1:40 | 422.6 | 800.2 | 905.0 | 430.6 | 6:50 | 5:10 | 976.3 | 191.1 | 994.8 | 1196.6 |
| 10:15 | 1:45 | 442.3 | 791.9 | 907.0 | 451.6 | 6:45 | 5:15 | 980.8 | 172.3 | 995.8 | 1211.2 |
| 10:10 | 1:50 | 461.7 | 783.2 | 909.2 | 472.4 | 6:40 | 5:20 | 984.8 | 153.3 | 996.7 | 1225.6 |
| 10:05 | 1:55 | 481.0 | 774.1 | 911.4 | 493.2 | 6:35 | 5:25 | 988.4 | 134.3 | 997.4 | 1239.9 |
| 10:00 | 2:00 | 500.0 | 764.7 | 913.6 | 513.8 | 6:30 | 5:30 | 991.4 | 115.2 | 998.1 | 1253.9 |
| 9:55 | 2:05 | 518.8 | 754.8 | 915.9 | 534.4 | 6:25 | 5:35 | 994.1 | 96.1 | 998.7 | 1267.8 |
| 9:50 | 2:10 | 537.3 | 744.7 | 918.3 | 554.8 | 6:20 | 5:40 | 996.2 | 77.0 | 999.2 | 1281.4 |
| 9:45 | 2:15 | 555.6 | 734.1 | 920.7 | 575.2 | 6:15 | 5:45 | 997.9 | 57.7 | 999.5 | 1294.9 |
| 9:40 | 2:20 | 573.6 | 723.3 | 923.1 | 595.4 | 6:10 | 5:50 | 999.0 | 38.5 | 999.8 | 1308.1 |
| 9:35 | 2:25 | 591.3 | 712.0 | 925.6 | 615.5 | 6:05 | 5:55 | 999.8 | 19.3 | 999.9 | 1321.2 |
| 9:30 | 2:30 | 608.8 | 700.5 | 928.0 | 635.5 | 6:00 | 6:00 | 1000.0 | 0.0 | 1000.0 | 1334.0 |
| 9:25 | 2:35 | 625.9 | 688.6 | 930.6 | 655.4 | 5:55 | 6:05 | 999.8 | -19.3 | 999.9 | 1346.7 |
| 9:20 | 2:40 | 642.8 | 676.4 | 933.1 | 675.2 | 5:50 | 6:10 | 999.0 | -38.5 | 999.8 | 1359.1 |
| 9:15 | 2:45 | 659.3 | 663.8 | 935.6 | 694.8 | 5:45 | 6:15 | 997.9 | -57.7 | 999.5 | 1371.4 |
| 9:10 | 2:50 | 675.6 | 651.0 | 938.2 | 714.3 | 5:40 | 6:20 | 996.2 | -77.0 | 999.2 | 1383.4 |
| 9:05 | 2:55 | 691.5 | 637.8 | 940.7 | 733.7 | 5:35 | 6:25 | 994.1 | -96.1 | 998.7 | 1395.3 |
| 9:00 | 3:00 | 707.1 | 624.3 | 943.3 | 752.9 | 5:30 | 6:30 | 991.4 | -115.2 | 998.1 | 1406.9 |
| 8:55 | 3:05 | 722.4 | 610.6 | 945.8 | 772.0 | 5:25 | 6:35 | 988.4 | -134.3 | 997.4 | 1418.3 |
| 8:50 | 3:10 | 737.3 | 596.5 | 948.4 | 791.0 | 5:20 | 6:40 | 984.8 | -153.3 | 996.7 | 1429.6 |
| 8:45 | 3:15 | 751.8 | 582.2 | 950.9 | 809.8 | 5:15 | 6:45 | 980.8 | -172.3 | 995.8 | 1440.6 |
| 8:40 | 3:20 | 766.0 | 567.5 | 953.4 | 828.4 | 5:10 | 6:50 | 976.3 | -191.1 | 994.8 | 1451.5 |
| 8:35 | 3:25 | 779.9 | 552.7 | 955.9 | 846.9 | 5:05 | 6:55 | 971.3 | -209.9 | 993.8 | 1462.1 |
| 8:30 | 3:30 | 793.4 | 537.5 | 958.3 | 865.3 | 5:00 | 7:00 | 965.9 | -228.5 | 992.6 | 1472.5 |

Analemmatic Sundial

Latitude: 62.0° N/S

Earliest Sunrise: 2:07 a.m. Latest Sunset: 9:53 p.m.
 Semi-Major Axis (E-W): 1000 mm Semi-Minor Axis (N-S): 882.9 mm
 Sunrise/Sunset Markers: X = ± 159.1 mm

| Local Time | | X | Y | Z | W | Local Time | | X | Y | Z | W |
|------------|------|-------|--------|-------|--------|------------|-------|-------|--------|-------|--------|
| 4:55 | 7:05 | 960.0 | -247.1 | 991.3 | 1482.8 | 2:55 | 9:05 | 691.5 | -637.8 | 940.7 | 1670.6 |
| 4:50 | 7:10 | 953.7 | -265.5 | 990.0 | 1492.8 | 2:50 | 9:10 | 675.6 | -651.0 | 938.2 | 1676.1 |
| 4:45 | 7:15 | 946.9 | -283.8 | 988.5 | 1502.7 | 2:45 | 9:15 | 659.3 | -663.8 | 935.6 | 1681.4 |
| 4:40 | 7:20 | 939.7 | -302.0 | 987.0 | 1512.3 | 2:40 | 9:20 | 642.8 | -676.4 | 933.1 | 1686.6 |
| 4:35 | 7:25 | 932.0 | -320.0 | 985.4 | 1521.8 | 2:35 | 9:25 | 625.9 | -688.6 | 930.6 | 1691.6 |
| 4:30 | 7:30 | 923.9 | -337.9 | 983.7 | 1531.0 | 2:30 | 9:30 | 608.8 | -700.5 | 928.0 | 1696.4 |
| 4:25 | 7:35 | 915.3 | -355.6 | 982.0 | 1540.1 | 2:25 | 9:35 | 591.3 | -712.0 | 925.6 | 1701.1 |
| 4:20 | 7:40 | 906.3 | -373.1 | 980.1 | 1548.9 | 2:20 | 9:40 | 573.6 | -723.3 | 923.1 | 1705.6 |
| 4:15 | 7:45 | 896.9 | -390.5 | 978.2 | 1557.6 | 2:15 | 9:45 | 555.6 | -734.1 | 920.7 | 1709.9 |
| 4:10 | 7:50 | 887.0 | -407.7 | 976.2 | 1566.1 | 2:10 | 9:50 | 537.3 | -744.7 | 918.3 | 1714.0 |
| 4:05 | 7:55 | 876.7 | -424.7 | 974.2 | 1574.3 | 2:05 | 9:55 | 518.8 | -754.8 | 915.9 | 1718.0 |
| 4:00 | 8:00 | 866.0 | -441.5 | 972.1 | 1582.4 | 2:00 | 10:00 | 500.0 | -764.7 | 913.6 | 1721.8 |
| 3:55 | 8:05 | 854.9 | -458.0 | 969.9 | 1590.3 | | | | | | |
| 3:50 | 8:10 | 843.4 | -474.4 | 967.7 | 1598.0 | | | | | | |
| 3:45 | 8:15 | 831.5 | -490.5 | 965.4 | 1605.6 | | | | | | |
| 3:40 | 8:20 | 819.2 | -506.4 | 963.1 | 1612.9 | | | | | | |
| 3:35 | 8:25 | 806.4 | -522.1 | 960.7 | 1620.0 | | | | | | |
| 3:30 | 8:30 | 793.4 | -537.5 | 958.3 | 1627.0 | | | | | | |
| 3:25 | 8:35 | 779.9 | -552.7 | 955.9 | 1633.8 | | | | | | |
| 3:20 | 8:40 | 766.0 | -567.5 | 953.4 | 1640.4 | | | | | | |
| 3:15 | 8:45 | 751.8 | -582.2 | 950.9 | 1646.8 | | | | | | |
| 3:10 | 8:50 | 737.3 | -596.5 | 948.4 | 1653.0 | | | | | | |
| 3:05 | 8:55 | 722.4 | -610.6 | 945.8 | 1659.0 | | | | | | |
| 3:00 | 9:00 | 707.1 | -624.3 | 943.3 | 1664.9 | | | | | | |

Analemmatic Sundial

Latitude: 62.0° N/S

Date Scale

Semi-Major Axis (E-W): 1000 mm Semi-Minor Axis (N-S): 882.9 mm

| Month | Date | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1 | 5 | 6 | 10 | 11 | 15 | 16 | 20 | 21 | 25 | 26 |
| January | -199.2 | -195.4 | -194.3 | -189.1 | -187.6 | -181.2 | -179.4 | -171.7 | -169.7 | -161.0 | -158.7 |
| February | -144.1 | -133.6 | -130.8 | -119.7 | -116.9 | -105.2 | -102.2 | -90.2 | -87.1 | -74.7 | -71.5 |
| March | -62.1 | -49.3 | -46.1 | -33.2 | -30.0 | -17.1 | -13.9 | -0.8 | 2.4 | 15.3 | 18.5 |
| April | 37.8 | 50.4 | 53.6 | 66.0 | 69.1 | 81.3 | 84.2 | 96.1 | 99.0 | 110.5 | 113.2 |
| May | 126.8 | 137.3 | 139.8 | 149.5 | 151.8 | 160.7 | 162.8 | 171.0 | 172.9 | 180.0 | 181.6 |
| June | 190.4 | 195.0 | 196.1 | 199.5 | 200.2 | 202.4 | 202.7 | 203.5 | 203.5 | 202.1 | 202.8 |
| July | 200.2 | 197.1 | 196.1 | 191.8 | 190.5 | 184.9 | 183.4 | 176.7 | 175.0 | 167.4 | 165.3 |
| August | 152.4 | 142.9 | 140.5 | 130.4 | 127.8 | 117.1 | 114.4 | 103.2 | 100.4 | 88.8 | 85.8 |
| September | 67.9 | 55.6 | 52.6 | 40.1 | 36.9 | 24.4 | 21.2 | 8.5 | 5.3 | -7.5 | -10.7 |
| October | -26.6 | -39.3 | -42.5 | -55.2 | -58.2 | -70.7 | -73.9 | -86.1 | -89.1 | -101.1 | -104.0 |
| November | -121.2 | -132.1 | -134.8 | -145.1 | -147.7 | -157.3 | -159.5 | -168.3 | -170.3 | -178.1 | -179.9 |
| December | -188.0 | -193.4 | -194.6 | -198.5 | -199.4 | -201.9 | -202.4 | -203.5 | -203.5 | -203.1 | -202.8 |

Northern Hemisphere

| Month | Date | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1 | 5 | 6 | 10 | 11 | 15 | 16 | 20 | 21 | 25 | 26 |
| January | 199.2 | 195.4 | 194.3 | 189.1 | 187.6 | 181.2 | 179.4 | 171.7 | 169.7 | 161.0 | 158.7 |
| February | 144.1 | 133.6 | 130.8 | 119.7 | 116.9 | 105.2 | 102.2 | 90.2 | 87.1 | 74.7 | 71.5 |
| March | 62.1 | 49.3 | 46.1 | 33.2 | 30.0 | 17.1 | 13.9 | 0.8 | -2.4 | -15.3 | -18.5 |
| April | -37.8 | -50.4 | -53.6 | -66.0 | -69.1 | -81.3 | -84.2 | -96.1 | -99.0 | -110.5 | -113.2 |
| May | -126.8 | -137.3 | -139.8 | -149.5 | -151.8 | -160.7 | -162.8 | -171.0 | -172.9 | -180.0 | -181.6 |
| June | -190.4 | -195.0 | -196.1 | -199.5 | -200.2 | -202.4 | -202.7 | -203.5 | -203.5 | -202.1 | -202.8 |
| July | -200.2 | -197.1 | -196.1 | -191.8 | -190.5 | -184.9 | -183.4 | -176.7 | -175.0 | -167.4 | -165.3 |
| August | -152.4 | -142.9 | -140.5 | -130.4 | -127.8 | -117.1 | -114.4 | -103.2 | -100.4 | -88.8 | -85.8 |
| September | -67.9 | -55.6 | -52.6 | -40.1 | -36.9 | -24.4 | -21.2 | -8.5 | -5.3 | 7.5 | 10.7 |
| October | 26.6 | 39.3 | 42.5 | 55.2 | 58.2 | 70.7 | 73.9 | 86.1 | 89.1 | 101.1 | 104.0 |
| November | 121.2 | 132.1 | 134.8 | 145.1 | 147.7 | 157.3 | 159.5 | 168.3 | 170.3 | 178.1 | 179.9 |
| December | 188.0 | 193.4 | 194.6 | 198.5 | 199.4 | 201.9 | 202.4 | 203.5 | 203.5 | 203.1 | 202.8 |

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: 62.0° N/S

Earliest Sunrise: 2:07 a.m. Latest Sunset: 9:53 p.m.
 Semi-Major Axis (E-W): 1500 mm Semi-Minor Axis (N-S): 1324.4 mm
 Sunrise/Sunset Markers: X = ± 238.7 mm

| Local Time | | X | Y | Z | W | Local Time | | X | Y | Z | W |
|------------|-------|--------|--------|--------|--------|------------|------|--------|--------|--------|--------|
| 12:00 | | 0.0 | 1324.4 | 1324.4 | 0.0 | | | | | | |
| 11:55 | 12:05 | 32.7 | 1324.1 | 1324.5 | 32.7 | 8:25 | 3:35 | 1209.7 | 783.1 | 1441.0 | 1325.2 |
| 11:50 | 12:10 | 65.4 | 1323.2 | 1324.8 | 65.4 | 8:20 | 3:40 | 1228.7 | 759.7 | 1444.6 | 1352.3 |
| 11:45 | 12:15 | 98.1 | 1321.6 | 1325.2 | 98.1 | 8:15 | 3:45 | 1247.2 | 735.8 | 1448.1 | 1379.1 |
| 11:40 | 12:20 | 130.7 | 1319.4 | 1325.8 | 130.8 | 8:10 | 3:50 | 1265.1 | 711.6 | 1451.5 | 1405.7 |
| 11:35 | 12:25 | 163.3 | 1316.5 | 1326.6 | 163.5 | 8:05 | 3:55 | 1282.4 | 687.1 | 1454.8 | 1432.0 |
| 11:30 | 12:30 | 195.8 | 1313.1 | 1327.6 | 196.1 | 8:00 | 4:00 | 1299.0 | 662.2 | 1458.1 | 1458.1 |
| 11:25 | 12:35 | 228.2 | 1309.0 | 1328.7 | 228.7 | 7:55 | 4:05 | 1315.1 | 637.0 | 1461.3 | 1483.9 |
| 11:20 | 12:40 | 260.5 | 1304.3 | 1330.1 | 261.2 | 7:50 | 4:10 | 1330.5 | 611.5 | 1464.3 | 1509.5 |
| 11:15 | 12:45 | 292.6 | 1299.0 | 1331.5 | 293.7 | 7:45 | 4:15 | 1345.3 | 585.8 | 1467.3 | 1534.7 |
| 11:10 | 12:50 | 324.7 | 1293.0 | 1333.2 | 326.2 | 7:40 | 4:20 | 1359.5 | 559.7 | 1470.2 | 1559.8 |
| 11:05 | 12:55 | 356.5 | 1286.5 | 1335.0 | 358.5 | 7:35 | 4:25 | 1373.0 | 533.4 | 1472.9 | 1584.5 |
| 11:00 | 1:00 | 388.2 | 1279.3 | 1336.9 | 390.8 | 7:30 | 4:30 | 1385.8 | 506.8 | 1475.6 | 1609.0 |
| 10:55 | 1:05 | 419.7 | 1271.5 | 1339.0 | 423.1 | 7:25 | 4:35 | 1398.0 | 480.0 | 1478.1 | 1633.2 |
| 10:50 | 1:10 | 451.1 | 1263.1 | 1341.2 | 455.2 | 7:20 | 4:40 | 1409.5 | 453.0 | 1480.5 | 1657.2 |
| 10:45 | 1:15 | 482.2 | 1254.1 | 1343.6 | 487.3 | 7:15 | 4:45 | 1420.4 | 425.7 | 1482.8 | 1680.8 |
| 10:40 | 1:20 | 513.0 | 1244.5 | 1346.1 | 519.2 | 7:10 | 4:50 | 1430.6 | 398.3 | 1485.0 | 1704.2 |
| 10:35 | 1:25 | 543.7 | 1234.4 | 1348.8 | 551.1 | 7:05 | 4:55 | 1440.1 | 370.6 | 1487.0 | 1727.3 |
| 10:30 | 1:30 | 574.0 | 1223.6 | 1351.6 | 582.8 | 7:00 | 5:00 | 1448.9 | 342.8 | 1488.9 | 1750.1 |
| 10:25 | 1:35 | 604.1 | 1212.3 | 1354.4 | 614.4 | 6:55 | 5:05 | 1457.0 | 314.8 | 1490.6 | 1772.6 |
| 10:20 | 1:40 | 633.9 | 1200.3 | 1357.4 | 646.0 | 6:50 | 5:10 | 1464.4 | 286.7 | 1492.2 | 1794.9 |
| 10:15 | 1:45 | 663.4 | 1187.8 | 1360.6 | 677.3 | 6:45 | 5:15 | 1471.2 | 258.4 | 1493.7 | 1816.8 |
| 10:10 | 1:50 | 692.6 | 1174.8 | 1363.8 | 708.6 | 6:40 | 5:20 | 1477.2 | 230.0 | 1495.0 | 1838.5 |
| 10:05 | 1:55 | 721.5 | 1161.2 | 1367.0 | 739.7 | 6:35 | 5:25 | 1482.5 | 201.5 | 1496.2 | 1859.8 |
| 10:00 | 2:00 | 750.0 | 1147.0 | 1370.4 | 770.7 | 6:30 | 5:30 | 1487.2 | 172.9 | 1497.2 | 1880.9 |
| 9:55 | 2:05 | 778.2 | 1132.3 | 1373.9 | 801.5 | 6:25 | 5:35 | 1491.1 | 144.2 | 1498.0 | 1901.7 |
| 9:50 | 2:10 | 805.9 | 1117.0 | 1377.4 | 832.2 | 6:20 | 5:40 | 1494.3 | 115.4 | 1498.7 | 1922.1 |
| 9:45 | 2:15 | 833.4 | 1101.2 | 1381.0 | 862.7 | 6:15 | 5:45 | 1496.8 | 86.6 | 1499.3 | 1942.3 |
| 9:40 | 2:20 | 860.4 | 1084.9 | 1384.6 | 893.1 | 6:10 | 5:50 | 1498.6 | 57.8 | 1499.7 | 1962.2 |
| 9:35 | 2:25 | 887.0 | 1068.1 | 1388.3 | 923.3 | 6:05 | 5:55 | 1499.6 | 28.9 | 1499.9 | 1981.7 |
| 9:30 | 2:30 | 913.1 | 1050.7 | 1392.1 | 953.3 | 6:00 | 6:00 | 1500.0 | 0.0 | 1500.0 | 2001.0 |
| 9:25 | 2:35 | 938.9 | 1032.9 | 1395.8 | 983.1 | 5:55 | 6:05 | 1499.6 | -28.9 | 1499.9 | 2020.0 |
| 9:20 | 2:40 | 964.2 | 1014.6 | 1399.6 | 1012.7 | 5:50 | 6:10 | 1498.6 | -57.8 | 1499.7 | 2038.7 |
| 9:15 | 2:45 | 989.0 | 995.8 | 1403.5 | 1042.2 | 5:45 | 6:15 | 1496.8 | -86.6 | 1499.3 | 2057.0 |
| 9:10 | 2:50 | 1013.4 | 976.5 | 1407.3 | 1071.5 | 5:40 | 6:20 | 1494.3 | -115.4 | 1498.7 | 2075.1 |
| 9:05 | 2:55 | 1037.3 | 956.7 | 1411.1 | 1100.5 | 5:35 | 6:25 | 1491.1 | -144.2 | 1498.0 | 2092.9 |
| 9:00 | 3:00 | 1060.7 | 936.5 | 1414.9 | 1129.4 | 5:30 | 6:30 | 1487.2 | -172.9 | 1497.2 | 2110.3 |
| 8:55 | 3:05 | 1083.5 | 915.9 | 1418.8 | 1158.0 | 5:25 | 6:35 | 1482.5 | -201.5 | 1496.2 | 2127.5 |
| 8:50 | 3:10 | 1105.9 | 894.8 | 1422.6 | 1186.4 | 5:20 | 6:40 | 1477.2 | -230.0 | 1495.0 | 2144.4 |
| 8:45 | 3:15 | 1127.8 | 873.3 | 1426.3 | 1214.7 | 5:15 | 6:45 | 1471.2 | -258.4 | 1493.7 | 2160.9 |
| 8:40 | 3:20 | 1149.1 | 851.3 | 1430.1 | 1242.6 | 5:10 | 6:50 | 1464.4 | -286.7 | 1492.2 | 2177.2 |
| 8:35 | 3:25 | 1169.8 | 829.0 | 1433.8 | 1270.4 | 5:05 | 6:55 | 1457.0 | -314.8 | 1490.6 | 2193.2 |
| 8:30 | 3:30 | 1190.0 | 806.3 | 1437.4 | 1297.9 | 5:00 | 7:00 | 1448.9 | -342.8 | 1488.9 | 2208.8 |

Analemmatic Sundial

Latitude: 62.0° N/S

Earliest Sunrise: 2:07 a.m. Latest Sunset: 9:53 p.m.
 Semi-Major Axis (E-W): 1500 mm Semi-Minor Axis (N-S): 1324.4 mm
 Sunrise/Sunset Markers: X = ± 238.7 mm

| Local Time | X | Y | Z | W | Local Time | X | Y | Z | W | | |
|------------|------|--------|--------|--------|------------|------|-------|--------|---------|--------|--------|
| 4:55 | 7:05 | 1440.1 | -370.6 | 1487.0 | 2224.2 | 2:55 | 9:05 | 1037.3 | -956.7 | 1411.1 | 2505.9 |
| 4:50 | 7:10 | 1430.6 | -398.3 | 1485.0 | 2239.2 | 2:50 | 9:10 | 1013.4 | -976.5 | 1407.3 | 2514.2 |
| 4:45 | 7:15 | 1420.4 | -425.7 | 1482.8 | 2254.0 | 2:45 | 9:15 | 989.0 | -995.8 | 1403.5 | 2522.2 |
| 4:40 | 7:20 | 1409.5 | -453.0 | 1480.5 | 2268.5 | 2:40 | 9:20 | 964.2 | -1014.6 | 1399.6 | 2529.9 |
| 4:35 | 7:25 | 1398.0 | -480.0 | 1478.1 | 2282.6 | 2:35 | 9:25 | 938.9 | -1032.9 | 1395.8 | 2537.4 |
| 4:30 | 7:30 | 1385.8 | -506.8 | 1475.6 | 2296.5 | 2:30 | 9:30 | 913.1 | -1050.7 | 1392.1 | 2544.6 |
| 4:25 | 7:35 | 1373.0 | -533.4 | 1472.9 | 2310.1 | 2:25 | 9:35 | 887.0 | -1068.1 | 1388.3 | 2551.6 |
| 4:20 | 7:40 | 1359.5 | -559.7 | 1470.2 | 2323.4 | 2:20 | 9:40 | 860.4 | -1084.9 | 1384.6 | 2558.3 |
| 4:15 | 7:45 | 1345.3 | -585.8 | 1467.3 | 2336.4 | 2:15 | 9:45 | 833.4 | -1101.2 | 1381.0 | 2564.8 |
| 4:10 | 7:50 | 1330.5 | -611.5 | 1464.3 | 2349.1 | 2:10 | 9:50 | 805.9 | -1117.0 | 1377.4 | 2571.0 |
| 4:05 | 7:55 | 1315.1 | -637.0 | 1461.3 | 2361.5 | 2:05 | 9:55 | 778.2 | -1132.3 | 1373.9 | 2577.0 |
| 4:00 | 8:00 | 1299.0 | -662.2 | 1458.1 | 2373.6 | 2:00 | 10:00 | 750.0 | -1147.0 | 1370.4 | 2582.7 |
| 3:55 | 8:05 | 1282.4 | -687.1 | 1454.8 | 2385.5 | | | | | | |
| 3:50 | 8:10 | 1265.1 | -711.6 | 1451.5 | 2397.1 | | | | | | |
| 3:45 | 8:15 | 1247.2 | -735.8 | 1448.1 | 2408.3 | | | | | | |
| 3:40 | 8:20 | 1228.7 | -759.7 | 1444.6 | 2419.3 | | | | | | |
| 3:35 | 8:25 | 1209.7 | -783.1 | 1441.0 | 2430.0 | | | | | | |
| 3:30 | 8:30 | 1190.0 | -806.3 | 1437.4 | 2440.5 | | | | | | |
| 3:25 | 8:35 | 1169.8 | -829.0 | 1433.8 | 2450.6 | | | | | | |
| 3:20 | 8:40 | 1149.1 | -851.3 | 1430.1 | 2460.5 | | | | | | |
| 3:15 | 8:45 | 1127.8 | -873.3 | 1426.3 | 2470.1 | | | | | | |
| 3:10 | 8:50 | 1105.9 | -894.8 | 1422.6 | 2479.5 | | | | | | |
| 3:05 | 8:55 | 1083.5 | -915.9 | 1418.8 | 2488.6 | | | | | | |
| 3:00 | 9:00 | 1060.7 | -936.5 | 1414.9 | 2497.4 | | | | | | |

Analemmatic Sundial

Latitude: 62.0° N/S

Date Scale

Semi-Major Axis (E-W): 1500 mm Semi-Minor Axis (N-S): 1324.4 mm

| Month | Date | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1 | 5 | 6 | 10 | 11 | 15 | 16 | 20 | 21 | 25 | 26 |
| January | -298.8 | -293.1 | -291.4 | -283.7 | -281.4 | -271.7 | -269.1 | -257.6 | -254.5 | -241.5 | -238.1 |
| February | -216.1 | -200.3 | -196.2 | -179.5 | -175.3 | -157.8 | -153.3 | -135.2 | -130.6 | -112.0 | -107.3 |
| March | -93.1 | -74.0 | -69.2 | -49.9 | -45.0 | -25.6 | -20.8 | -1.2 | 3.6 | 23.0 | 27.8 |
| April | 56.7 | 75.6 | 80.4 | 99.0 | 103.6 | 121.9 | 126.3 | 144.2 | 148.5 | 165.7 | 169.8 |
| May | 190.3 | 205.9 | 209.7 | 224.2 | 227.7 | 241.1 | 244.3 | 256.4 | 259.4 | 270.0 | 272.4 |
| June | 285.7 | 292.6 | 294.1 | 299.2 | 300.4 | 303.6 | 304.0 | 305.2 | 305.3 | 303.1 | 304.2 |
| July | 300.4 | 295.6 | 294.1 | 287.7 | 285.8 | 277.4 | 275.1 | 265.1 | 262.5 | 251.0 | 248.0 |
| August | 228.5 | 214.4 | 210.7 | 195.6 | 191.7 | 175.7 | 171.5 | 154.8 | 150.6 | 133.2 | 128.7 |
| September | 101.9 | 83.5 | 78.9 | 60.1 | 55.4 | 36.5 | 31.9 | 12.8 | 8.0 | -11.2 | -16.0 |
| October | -39.9 | -59.0 | -63.7 | -82.7 | -87.3 | -106.1 | -110.8 | -129.1 | -133.7 | -151.6 | -156.0 |
| November | -181.7 | -198.2 | -202.2 | -217.7 | -221.5 | -235.9 | -239.3 | -252.4 | -255.5 | -267.1 | -269.9 |
| December | -281.9 | -290.1 | -291.8 | -297.8 | -299.1 | -302.8 | -303.6 | -305.2 | -305.3 | -304.6 | -304.2 |

Northern Hemisphere

| Month | Date | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1 | 5 | 6 | 10 | 11 | 15 | 16 | 20 | 21 | 25 | 26 |
| January | 298.8 | 293.1 | 291.4 | 283.7 | 281.4 | 271.7 | 269.1 | 257.6 | 254.5 | 241.5 | 238.1 |
| February | 216.1 | 200.3 | 196.2 | 179.5 | 175.3 | 157.8 | 153.3 | 135.2 | 130.6 | 112.0 | 107.3 |
| March | 93.1 | 74.0 | 69.2 | 49.9 | 45.0 | 25.6 | 20.8 | 1.2 | -3.6 | -23.0 | -27.8 |
| April | -56.7 | -75.6 | -80.4 | -99.0 | -103.6 | -121.9 | -126.3 | -144.2 | -148.5 | -165.7 | -169.8 |
| May | -190.3 | -205.9 | -209.7 | -224.2 | -227.7 | -241.1 | -244.3 | -256.4 | -259.4 | -270.0 | -272.4 |
| June | -285.7 | -292.6 | -294.1 | -299.2 | -300.4 | -303.6 | -304.0 | -305.2 | -305.3 | -303.1 | -304.2 |
| July | -300.4 | -295.6 | -294.1 | -287.7 | -285.8 | -277.4 | -275.1 | -265.1 | -262.5 | -251.0 | -248.0 |
| August | -228.5 | -214.4 | -210.7 | -195.6 | -191.7 | -175.7 | -171.5 | -154.8 | -150.6 | -133.2 | -128.7 |
| September | -101.9 | -83.5 | -78.9 | -60.1 | -55.4 | -36.5 | -31.9 | -12.8 | -8.0 | 11.2 | 16.0 |
| October | 39.9 | 59.0 | 63.7 | 82.7 | 87.3 | 106.1 | 110.8 | 129.1 | 133.7 | 151.6 | 156.0 |
| November | 181.7 | 198.2 | 202.2 | 217.7 | 221.5 | 235.9 | 239.3 | 252.4 | 255.5 | 267.1 | 269.9 |
| December | 281.9 | 290.1 | 291.8 | 297.8 | 299.1 | 302.8 | 303.6 | 305.2 | 305.3 | 304.6 | 304.2 |

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: 62.0° N/S

Earliest Sunrise: 2:07 a.m. Latest Sunset: 9:53 p.m.
 Semi-Major Axis (E-W): 2000 mm Semi-Minor Axis (N-S): 1765.9 mm
 Sunrise/Sunset Markers: X = ± 318.2 mm

| Local Time | | X | Y | Z | W | Local Time | | X | Y | Z | W |
|------------|-------|--------|--------|--------|--------|------------|------|--------|--------|--------|--------|
| 12:00 | | 0.0 | 1765.9 | 1765.9 | 0.0 | | | | | | |
| 11:55 | 12:05 | 43.6 | 1765.5 | 1766.0 | 43.6 | 8:25 | 3:35 | 1612.9 | 1044.2 | 1921.4 | 1767.0 |
| 11:50 | 12:10 | 87.2 | 1764.2 | 1766.4 | 87.3 | 8:20 | 3:40 | 1638.3 | 1012.9 | 1926.1 | 1803.1 |
| 11:45 | 12:15 | 130.8 | 1762.1 | 1767.0 | 130.9 | 8:15 | 3:45 | 1662.9 | 981.1 | 1930.8 | 1838.8 |
| 11:40 | 12:20 | 174.3 | 1759.2 | 1767.8 | 174.4 | 8:10 | 3:50 | 1686.8 | 948.8 | 1935.3 | 1874.3 |
| 11:35 | 12:25 | 217.7 | 1755.4 | 1768.9 | 218.0 | 8:05 | 3:55 | 1709.8 | 916.1 | 1939.8 | 1909.4 |
| 11:30 | 12:30 | 261.1 | 1750.8 | 1770.1 | 261.5 | 8:00 | 4:00 | 1732.1 | 882.9 | 1944.1 | 1944.1 |
| 11:25 | 12:35 | 304.2 | 1745.3 | 1771.7 | 304.9 | 7:55 | 4:05 | 1753.5 | 849.4 | 1948.3 | 1978.5 |
| 11:20 | 12:40 | 347.3 | 1739.1 | 1773.4 | 348.3 | 7:50 | 4:10 | 1774.0 | 815.4 | 1952.4 | 2012.6 |
| 11:15 | 12:45 | 390.2 | 1732.0 | 1775.4 | 391.7 | 7:45 | 4:15 | 1793.7 | 781.0 | 1956.4 | 2046.3 |
| 11:10 | 12:50 | 432.9 | 1724.0 | 1777.6 | 434.9 | 7:40 | 4:20 | 1812.6 | 746.3 | 1960.2 | 2079.7 |
| 11:05 | 12:55 | 475.4 | 1715.3 | 1779.9 | 478.1 | 7:35 | 4:25 | 1830.6 | 711.2 | 1963.9 | 2112.7 |
| 11:00 | 1:00 | 517.6 | 1705.7 | 1782.5 | 521.1 | 7:30 | 4:30 | 1847.8 | 675.8 | 1967.5 | 2145.4 |
| 10:55 | 1:05 | 559.7 | 1695.3 | 1785.3 | 564.1 | 7:25 | 4:35 | 1864.0 | 640.0 | 1970.8 | 2177.6 |
| 10:50 | 1:10 | 601.4 | 1684.2 | 1788.3 | 606.9 | 7:20 | 4:40 | 1879.4 | 604.0 | 1974.0 | 2209.6 |
| 10:45 | 1:15 | 642.9 | 1672.2 | 1791.5 | 649.7 | 7:15 | 4:45 | 1893.9 | 567.6 | 1977.1 | 2241.1 |
| 10:40 | 1:20 | 684.0 | 1659.4 | 1794.9 | 692.3 | 7:10 | 4:50 | 1907.4 | 531.0 | 1980.0 | 2272.3 |
| 10:35 | 1:25 | 724.9 | 1645.8 | 1798.4 | 734.8 | 7:05 | 4:55 | 1920.1 | 494.1 | 1982.7 | 2303.1 |
| 10:30 | 1:30 | 765.4 | 1631.5 | 1802.1 | 777.1 | 7:00 | 5:00 | 1931.9 | 457.0 | 1985.2 | 2333.5 |
| 10:25 | 1:35 | 805.5 | 1616.3 | 1805.9 | 819.3 | 6:55 | 5:05 | 1942.7 | 419.7 | 1987.5 | 2363.5 |
| 10:20 | 1:40 | 845.2 | 1600.4 | 1809.9 | 861.3 | 6:50 | 5:10 | 1952.6 | 382.2 | 1989.6 | 2393.2 |
| 10:15 | 1:45 | 884.6 | 1583.8 | 1814.1 | 903.1 | 6:45 | 5:15 | 1961.6 | 344.5 | 1991.6 | 2422.4 |
| 10:10 | 1:50 | 923.5 | 1566.4 | 1818.3 | 944.8 | 6:40 | 5:20 | 1969.6 | 306.6 | 1993.3 | 2451.3 |
| 10:05 | 1:55 | 962.0 | 1548.2 | 1822.7 | 986.3 | 6:35 | 5:25 | 1976.7 | 268.6 | 1994.9 | 2479.8 |
| 10:00 | 2:00 | 1000.0 | 1529.3 | 1827.2 | 1027.6 | 6:30 | 5:30 | 1982.9 | 230.5 | 1996.2 | 2507.8 |
| 9:55 | 2:05 | 1037.5 | 1509.7 | 1831.8 | 1068.7 | 6:25 | 5:35 | 1988.1 | 192.2 | 1997.4 | 2535.5 |
| 9:50 | 2:10 | 1074.6 | 1489.3 | 1836.5 | 1109.6 | 6:20 | 5:40 | 1992.4 | 153.9 | 1998.3 | 2562.8 |
| 9:45 | 2:15 | 1111.1 | 1468.3 | 1841.3 | 1150.3 | 6:15 | 5:45 | 1995.7 | 115.5 | 1999.1 | 2589.7 |
| 9:40 | 2:20 | 1147.2 | 1446.5 | 1846.2 | 1190.8 | 6:10 | 5:50 | 1998.1 | 77.0 | 1999.6 | 2616.2 |
| 9:35 | 2:25 | 1182.6 | 1424.1 | 1851.1 | 1231.0 | 6:05 | 5:55 | 1999.5 | 38.5 | 1999.9 | 2642.3 |
| 9:30 | 2:30 | 1217.5 | 1401.0 | 1856.1 | 1271.0 | 6:00 | 6:00 | 2000.0 | 0.0 | 2000.0 | 2668.0 |
| 9:25 | 2:35 | 1251.8 | 1377.2 | 1861.1 | 1310.8 | 5:55 | 6:05 | 1999.5 | -38.5 | 1999.9 | 2693.3 |
| 9:20 | 2:40 | 1285.6 | 1352.8 | 1866.2 | 1350.3 | 5:50 | 6:10 | 1998.1 | -77.0 | 1999.6 | 2718.2 |
| 9:15 | 2:45 | 1318.7 | 1327.7 | 1871.3 | 1389.6 | 5:45 | 6:15 | 1995.7 | -115.5 | 1999.1 | 2742.7 |
| 9:10 | 2:50 | 1351.2 | 1302.0 | 1876.4 | 1428.6 | 5:40 | 6:20 | 1992.4 | -153.9 | 1998.3 | 2766.8 |
| 9:05 | 2:55 | 1383.0 | 1275.6 | 1881.5 | 1467.4 | 5:35 | 6:25 | 1988.1 | -192.2 | 1997.4 | 2790.5 |
| 9:00 | 3:00 | 1414.2 | 1248.7 | 1886.6 | 1505.8 | 5:30 | 6:30 | 1982.9 | -230.5 | 1996.2 | 2813.8 |
| 8:55 | 3:05 | 1444.7 | 1221.1 | 1891.7 | 1544.0 | 5:25 | 6:35 | 1976.7 | -268.6 | 1994.9 | 2836.7 |
| 8:50 | 3:10 | 1474.6 | 1193.0 | 1896.7 | 1581.9 | 5:20 | 6:40 | 1969.6 | -306.6 | 1993.3 | 2859.2 |
| 8:45 | 3:15 | 1503.7 | 1164.3 | 1901.8 | 1619.5 | 5:15 | 6:45 | 1961.6 | -344.5 | 1991.6 | 2881.2 |
| 8:40 | 3:20 | 1532.1 | 1135.1 | 1906.8 | 1656.9 | 5:10 | 6:50 | 1952.6 | -382.2 | 1989.6 | 2902.9 |
| 8:35 | 3:25 | 1559.8 | 1105.3 | 1911.7 | 1693.9 | 5:05 | 6:55 | 1942.7 | -419.7 | 1987.5 | 2924.2 |
| 8:30 | 3:30 | 1586.7 | 1075.0 | 1916.6 | 1730.6 | 5:00 | 7:00 | 1931.9 | -457.0 | 1985.2 | 2945.1 |

Analemmatic Sundial

Latitude: 62.0° N/S

Earliest Sunrise: 2:07 a.m. Latest Sunset: 9:53 p.m.
 Semi-Major Axis (E-W): 2000 mm Semi-Minor Axis (N-S): 1765.9 mm
 Sunrise/Sunset Markers: X = ± 318.2 mm

| Local Time | | X | Y | Z | W | Local Time | | X | Y | Z | W |
|------------|------|--------|---------|--------|--------|------------|-------|--------|---------|--------|--------|
| 4:55 | 7:05 | 1920.1 | -494.1 | 1982.7 | 2965.6 | 2:55 | 9:05 | 1383.0 | -1275.6 | 1881.5 | 3341.2 |
| 4:50 | 7:10 | 1907.4 | -531.0 | 1980.0 | 2985.6 | 2:50 | 9:10 | 1351.2 | -1302.0 | 1876.4 | 3352.2 |
| 4:45 | 7:15 | 1893.9 | -567.6 | 1977.1 | 3005.3 | 2:45 | 9:15 | 1318.7 | -1327.7 | 1871.3 | 3362.9 |
| 4:40 | 7:20 | 1879.4 | -604.0 | 1974.0 | 3024.6 | 2:40 | 9:20 | 1285.6 | -1352.8 | 1866.2 | 3373.2 |
| 4:35 | 7:25 | 1864.0 | -640.0 | 1970.8 | 3043.5 | 2:35 | 9:25 | 1251.8 | -1377.2 | 1861.1 | 3383.2 |
| 4:30 | 7:30 | 1847.8 | -675.8 | 1967.5 | 3062.0 | 2:30 | 9:30 | 1217.5 | -1401.0 | 1856.1 | 3392.9 |
| 4:25 | 7:35 | 1830.6 | -711.2 | 1963.9 | 3080.1 | 2:25 | 9:35 | 1182.6 | -1424.1 | 1851.1 | 3402.2 |
| 4:20 | 7:40 | 1812.6 | -746.3 | 1960.2 | 3097.9 | 2:20 | 9:40 | 1147.2 | -1446.5 | 1846.2 | 3411.1 |
| 4:15 | 7:45 | 1793.7 | -781.0 | 1956.4 | 3115.2 | 2:15 | 9:45 | 1111.1 | -1468.3 | 1841.3 | 3419.7 |
| 4:10 | 7:50 | 1774.0 | -815.4 | 1952.4 | 3132.1 | 2:10 | 9:50 | 1074.6 | -1489.3 | 1836.5 | 3428.0 |
| 4:05 | 7:55 | 1753.5 | -849.4 | 1948.3 | 3148.7 | 2:05 | 9:55 | 1037.5 | -1509.7 | 1831.8 | 3436.0 |
| 4:00 | 8:00 | 1732.1 | -882.9 | 1944.1 | 3164.9 | 2:00 | 10:00 | 1000.0 | -1529.3 | 1827.2 | 3443.6 |
| 3:55 | 8:05 | 1709.8 | -916.1 | 1939.8 | 3180.7 | | | | | | |
| 3:50 | 8:10 | 1686.8 | -948.8 | 1935.3 | 3196.1 | | | | | | |
| 3:45 | 8:15 | 1662.9 | -981.1 | 1930.8 | 3211.1 | | | | | | |
| 3:40 | 8:20 | 1638.3 | -1012.9 | 1926.1 | 3225.8 | | | | | | |
| 3:35 | 8:25 | 1612.9 | -1044.2 | 1921.4 | 3240.1 | | | | | | |
| 3:30 | 8:30 | 1586.7 | -1075.0 | 1916.6 | 3254.0 | | | | | | |
| 3:25 | 8:35 | 1559.8 | -1105.3 | 1911.7 | 3267.5 | | | | | | |
| 3:20 | 8:40 | 1532.1 | -1135.1 | 1906.8 | 3280.7 | | | | | | |
| 3:15 | 8:45 | 1503.7 | -1164.3 | 1901.8 | 3293.5 | | | | | | |
| 3:10 | 8:50 | 1474.6 | -1193.0 | 1896.7 | 3306.0 | | | | | | |
| 3:05 | 8:55 | 1444.7 | -1221.1 | 1891.7 | 3318.1 | | | | | | |
| 3:00 | 9:00 | 1414.2 | -1248.7 | 1886.6 | 3329.8 | | | | | | |

Analematic Sundial

Latitude: 62.0° N/S

Date Scale

Semi-Major Axis (E-W): 2000 mm Semi-Minor Axis (N-S): 1765.9 mm

| Month | Date | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1 | 5 | 6 | 10 | 11 | 15 | 16 | 20 | 21 | 25 | 26 |
| January | -398.4 | -390.8 | -388.5 | -378.2 | -375.2 | -362.3 | -358.7 | -343.4 | -339.3 | -322.0 | -317.4 |
| February | -288.1 | -267.1 | -261.6 | -239.3 | -233.8 | -210.4 | -204.4 | -180.3 | -174.2 | -149.4 | -143.0 |
| March | -124.1 | -98.7 | -92.2 | -66.5 | -60.1 | -34.1 | -27.7 | -1.6 | 4.8 | 30.7 | 37.1 |
| April | 75.5 | 100.8 | 107.1 | 132.0 | 138.1 | 162.5 | 168.4 | 192.2 | 198.0 | 220.9 | 226.5 |
| May | 253.7 | 274.6 | 279.6 | 298.9 | 303.6 | 321.5 | 325.7 | 341.9 | 345.8 | 360.1 | 363.2 |
| June | 380.9 | 390.1 | 392.2 | 398.9 | 400.5 | 404.8 | 405.3 | 406.9 | 407.1 | 404.2 | 405.5 |
| July | 400.5 | 394.1 | 392.2 | 383.6 | 381.1 | 369.9 | 366.8 | 353.5 | 349.9 | 334.7 | 330.7 |
| August | 304.7 | 285.8 | 281.0 | 260.7 | 255.6 | 234.3 | 228.7 | 206.4 | 200.8 | 177.6 | 171.7 |
| September | 135.8 | 111.3 | 105.2 | 80.2 | 73.9 | 48.7 | 42.5 | 17.0 | 10.7 | -14.9 | -21.3 |
| October | -53.2 | -78.7 | -85.0 | -110.3 | -116.5 | -141.5 | -147.7 | -172.2 | -178.3 | -202.1 | -208.0 |
| November | -242.3 | -264.3 | -269.6 | -290.3 | -295.3 | -314.5 | -319.1 | -336.6 | -340.6 | -356.1 | -359.9 |
| December | -375.9 | -386.8 | -389.1 | -397.0 | -398.8 | -403.8 | -404.8 | -406.9 | -407.1 | -406.1 | -405.5 |

Northern Hemisphere

| Month | Date | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1 | 5 | 6 | 10 | 11 | 15 | 16 | 20 | 21 | 25 | 26 |
| January | 398.4 | 390.8 | 388.5 | 378.2 | 375.2 | 362.3 | 358.7 | 343.4 | 339.3 | 322.0 | 317.4 |
| February | 288.1 | 267.1 | 261.6 | 239.3 | 233.8 | 210.4 | 204.4 | 180.3 | 174.2 | 149.4 | 143.0 |
| March | 124.1 | 98.7 | 92.2 | 66.5 | 60.1 | 34.1 | 27.7 | 1.6 | -4.8 | -30.7 | -37.1 |
| April | -75.5 | -100.8 | -107.1 | -132.0 | -138.1 | -162.5 | -168.4 | -192.2 | -198.0 | -220.9 | -226.5 |
| May | -253.7 | -274.6 | -279.6 | -298.9 | -303.6 | -321.5 | -325.7 | -341.9 | -345.8 | -360.1 | -363.2 |
| June | -380.9 | -390.1 | -392.2 | -398.9 | -400.5 | -404.8 | -405.3 | -406.9 | -407.1 | -404.2 | -405.5 |
| July | -400.5 | -394.1 | -392.2 | -383.6 | -381.1 | -369.9 | -366.8 | -353.5 | -349.9 | -334.7 | -330.7 |
| August | -304.7 | -285.8 | -281.0 | -260.7 | -255.6 | -234.3 | -228.7 | -206.4 | -200.8 | -177.6 | -171.7 |
| September | -135.8 | -111.3 | -105.2 | -80.2 | -73.9 | -48.7 | -42.5 | -17.0 | -10.7 | 14.9 | 21.3 |
| October | 53.2 | 78.7 | 85.0 | 110.3 | 116.5 | 141.5 | 147.7 | 172.2 | 178.3 | 202.1 | 208.0 |
| November | 242.3 | 264.3 | 269.6 | 290.3 | 295.3 | 314.5 | 319.1 | 336.6 | 340.6 | 356.1 | 359.9 |
| December | 375.9 | 386.8 | 389.1 | 397.0 | 398.8 | 403.8 | 404.8 | 406.9 | 407.1 | 406.1 | 405.5 |

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 |

Analemmatic Sundial

Latitude: 62.0° N/S

Earliest Sunrise: 2:07 a.m. Latest Sunset: 9:53 p.m.
 Semi-Major Axis (E-W): 2500 mm Semi-Minor Axis (N-S): 2207.4 mm
 Sunrise/Sunset Markers: X = ± 397.8 mm

| Local Time | | X | Y | Z | W | Local Time | | X | Y | Z | W |
|------------|-------|--------|--------|--------|--------|------------|------|--------|--------|--------|--------|
| 12:00 | | 0.0 | 2207.4 | 2207.4 | 0.0 | | | | | | |
| 11:55 | 12:05 | 54.5 | 2206.8 | 2207.5 | 54.5 | 8:25 | 3:35 | 2016.1 | 1305.2 | 2401.7 | 2208.7 |
| 11:50 | 12:10 | 109.0 | 2205.3 | 2208.0 | 109.1 | 8:20 | 3:40 | 2047.9 | 1266.1 | 2407.7 | 2253.8 |
| 11:45 | 12:15 | 163.5 | 2202.6 | 2208.7 | 163.6 | 8:15 | 3:45 | 2078.7 | 1226.3 | 2413.5 | 2298.5 |
| 11:40 | 12:20 | 217.9 | 2199.0 | 2209.7 | 218.1 | 8:10 | 3:50 | 2108.5 | 1186.0 | 2419.2 | 2342.8 |
| 11:35 | 12:25 | 272.2 | 2194.2 | 2211.1 | 272.5 | 8:05 | 3:55 | 2137.3 | 1145.1 | 2424.7 | 2386.7 |
| 11:30 | 12:30 | 326.3 | 2188.5 | 2212.7 | 326.9 | 8:00 | 4:00 | 2165.1 | 1103.7 | 2430.1 | 2430.1 |
| 11:25 | 12:35 | 380.3 | 2181.7 | 2214.6 | 381.2 | 7:55 | 4:05 | 2191.8 | 1061.7 | 2435.4 | 2473.2 |
| 11:20 | 12:40 | 434.1 | 2173.8 | 2216.8 | 435.4 | 7:50 | 4:10 | 2217.5 | 1019.2 | 2440.6 | 2515.8 |
| 11:15 | 12:45 | 487.7 | 2165.0 | 2219.2 | 489.6 | 7:45 | 4:15 | 2242.2 | 976.3 | 2445.5 | 2557.9 |
| 11:10 | 12:50 | 541.1 | 2155.0 | 2221.9 | 543.6 | 7:40 | 4:20 | 2265.8 | 932.9 | 2450.3 | 2599.6 |
| 11:05 | 12:55 | 594.2 | 2144.1 | 2224.9 | 597.6 | 7:35 | 4:25 | 2288.3 | 889.0 | 2454.9 | 2640.9 |
| 11:00 | 1:00 | 647.0 | 2132.2 | 2228.2 | 651.4 | 7:30 | 4:30 | 2309.7 | 844.7 | 2459.3 | 2681.7 |
| 10:55 | 1:05 | 699.6 | 2119.2 | 2231.7 | 705.1 | 7:25 | 4:35 | 2330.0 | 800.0 | 2463.5 | 2722.1 |
| 10:50 | 1:10 | 751.8 | 2105.2 | 2235.4 | 758.7 | 7:20 | 4:40 | 2349.2 | 755.0 | 2467.6 | 2761.9 |
| 10:45 | 1:15 | 803.6 | 2090.2 | 2239.4 | 812.1 | 7:15 | 4:45 | 2367.3 | 709.5 | 2471.4 | 2801.4 |
| 10:40 | 1:20 | 855.1 | 2074.2 | 2243.6 | 865.4 | 7:10 | 4:50 | 2384.3 | 663.8 | 2475.0 | 2840.3 |
| 10:35 | 1:25 | 906.1 | 2057.3 | 2248.0 | 918.4 | 7:05 | 4:55 | 2400.1 | 617.7 | 2478.3 | 2878.8 |
| 10:30 | 1:30 | 956.7 | 2039.3 | 2252.6 | 971.4 | 7:00 | 5:00 | 2414.8 | 571.3 | 2481.5 | 2916.9 |
| 10:25 | 1:35 | 1006.9 | 2020.4 | 2257.4 | 1024.1 | 6:55 | 5:05 | 2428.4 | 524.7 | 2484.4 | 2954.4 |
| 10:20 | 1:40 | 1056.5 | 2000.6 | 2262.4 | 1076.6 | 6:50 | 5:10 | 2440.7 | 477.8 | 2487.1 | 2991.4 |
| 10:15 | 1:45 | 1105.7 | 1979.7 | 2267.6 | 1128.9 | 6:45 | 5:15 | 2452.0 | 430.6 | 2489.5 | 3028.0 |
| 10:10 | 1:50 | 1154.4 | 1958.0 | 2272.9 | 1181.0 | 6:40 | 5:20 | 2462.0 | 383.3 | 2491.7 | 3064.1 |
| 10:05 | 1:55 | 1202.5 | 1935.3 | 2278.4 | 1232.9 | 6:35 | 5:25 | 2470.9 | 335.8 | 2493.6 | 3099.7 |
| 10:00 | 2:00 | 1250.0 | 1911.6 | 2284.0 | 1284.5 | 6:30 | 5:30 | 2478.6 | 288.1 | 2495.3 | 3134.8 |
| 9:55 | 2:05 | 1296.9 | 1887.1 | 2289.8 | 1335.9 | 6:25 | 5:35 | 2485.1 | 240.3 | 2496.7 | 3169.4 |
| 9:50 | 2:10 | 1343.2 | 1861.7 | 2295.7 | 1387.0 | 6:20 | 5:40 | 2490.5 | 192.4 | 2497.9 | 3203.5 |
| 9:45 | 2:15 | 1388.9 | 1835.4 | 2301.7 | 1437.9 | 6:15 | 5:45 | 2494.6 | 144.4 | 2498.8 | 3237.2 |
| 9:40 | 2:20 | 1433.9 | 1808.2 | 2307.7 | 1488.5 | 6:10 | 5:50 | 2497.6 | 96.3 | 2499.5 | 3270.3 |
| 9:35 | 2:25 | 1478.3 | 1780.1 | 2313.9 | 1538.8 | 6:05 | 5:55 | 2499.4 | 48.2 | 2499.9 | 3302.9 |
| 9:30 | 2:30 | 1521.9 | 1751.2 | 2320.1 | 1588.8 | 6:00 | 6:00 | 2500.0 | 0.0 | 2500.0 | 3335.0 |
| 9:25 | 2:35 | 1564.8 | 1721.5 | 2326.4 | 1638.5 | 5:55 | 6:05 | 2499.4 | -48.2 | 2499.9 | 3366.7 |
| 9:20 | 2:40 | 1607.0 | 1690.9 | 2332.7 | 1687.9 | 5:50 | 6:10 | 2497.6 | -96.3 | 2499.5 | 3397.8 |
| 9:15 | 2:45 | 1648.4 | 1659.6 | 2339.1 | 1737.0 | 5:45 | 6:15 | 2494.6 | -144.4 | 2498.8 | 3428.4 |
| 9:10 | 2:50 | 1689.0 | 1627.4 | 2345.5 | 1785.8 | 5:40 | 6:20 | 2490.5 | -192.4 | 2497.9 | 3458.5 |
| 9:05 | 2:55 | 1728.8 | 1594.5 | 2351.8 | 1834.2 | 5:35 | 6:25 | 2485.1 | -240.3 | 2496.7 | 3488.1 |
| 9:00 | 3:00 | 1767.8 | 1560.8 | 2358.2 | 1882.3 | 5:30 | 6:30 | 2478.6 | -288.1 | 2495.3 | 3517.2 |
| 8:55 | 3:05 | 1805.9 | 1526.4 | 2364.6 | 1930.0 | 5:25 | 6:35 | 2470.9 | -335.8 | 2493.6 | 3545.8 |
| 8:50 | 3:10 | 1843.2 | 1491.3 | 2370.9 | 1977.4 | 5:20 | 6:40 | 2462.0 | -383.3 | 2491.7 | 3574.0 |
| 8:45 | 3:15 | 1879.6 | 1455.4 | 2377.2 | 2024.4 | 5:15 | 6:45 | 2452.0 | -430.6 | 2489.5 | 3601.6 |
| 8:40 | 3:20 | 1915.1 | 1418.9 | 2383.5 | 2071.1 | 5:10 | 6:50 | 2440.7 | -477.8 | 2487.1 | 3628.7 |
| 8:35 | 3:25 | 1949.7 | 1381.6 | 2389.6 | 2117.4 | 5:05 | 6:55 | 2428.4 | -524.7 | 2484.4 | 3655.3 |
| 8:30 | 3:30 | 1983.4 | 1343.8 | 2395.7 | 2163.2 | 5:00 | 7:00 | 2414.8 | -571.3 | 2481.5 | 3681.4 |

Analemmatic Sundial

Latitude: 62.0° N/S

Earliest Sunrise: 2:07 a.m. Latest Sunset: 9:53 p.m.
 Semi-Major Axis (E-W): 2500 mm Semi-Minor Axis (N-S): 2207.4 mm
 Sunrise/Sunset Markers: X = ± 397.8 mm

| Local Time | | X | Y | Z | W | Local Time | | X | Y | Z | W |
|------------|------|--------|---------|--------|--------|------------|-------|--------|---------|--------|--------|
| 4:55 | 7:05 | 2400.1 | -617.7 | 2478.3 | 3707.0 | 2:55 | 9:05 | 1728.8 | -1594.5 | 2351.8 | 4176.5 |
| 4:50 | 7:10 | 2384.3 | -663.8 | 2475.0 | 3732.1 | 2:50 | 9:10 | 1689.0 | -1627.4 | 2345.5 | 4190.3 |
| 4:45 | 7:15 | 2367.3 | -709.5 | 2471.4 | 3756.7 | 2:45 | 9:15 | 1648.4 | -1659.6 | 2339.1 | 4203.6 |
| 4:40 | 7:20 | 2349.2 | -755.0 | 2467.6 | 3780.8 | 2:40 | 9:20 | 1607.0 | -1690.9 | 2332.7 | 4216.5 |
| 4:35 | 7:25 | 2330.0 | -800.0 | 2463.5 | 3804.4 | 2:35 | 9:25 | 1564.8 | -1721.5 | 2326.4 | 4229.0 |
| 4:30 | 7:30 | 2309.7 | -844.7 | 2459.3 | 3827.5 | 2:30 | 9:30 | 1521.9 | -1751.2 | 2320.1 | 4241.1 |
| 4:25 | 7:35 | 2288.3 | -889.0 | 2454.9 | 3850.2 | 2:25 | 9:35 | 1478.3 | -1780.1 | 2313.9 | 4252.7 |
| 4:20 | 7:40 | 2265.8 | -932.9 | 2450.3 | 3872.3 | 2:20 | 9:40 | 1433.9 | -1808.2 | 2307.7 | 4263.9 |
| 4:15 | 7:45 | 2242.2 | -976.3 | 2445.5 | 3894.0 | 2:15 | 9:45 | 1388.9 | -1835.4 | 2301.7 | 4274.7 |
| 4:10 | 7:50 | 2217.5 | -1019.2 | 2440.6 | 3915.2 | 2:10 | 9:50 | 1343.2 | -1861.7 | 2295.7 | 4285.0 |
| 4:05 | 7:55 | 2191.8 | -1061.7 | 2435.4 | 3935.9 | 2:05 | 9:55 | 1296.9 | -1887.1 | 2289.8 | 4295.0 |
| 4:00 | 8:00 | 2165.1 | -1103.7 | 2430.1 | 3956.1 | 2:00 | 10:00 | 1250.0 | -1911.6 | 2284.0 | 4304.5 |
| 3:55 | 8:05 | 2137.3 | -1145.1 | 2424.7 | 3975.8 | | | | | | |
| 3:50 | 8:10 | 2108.5 | -1186.0 | 2419.2 | 3995.1 | | | | | | |
| 3:45 | 8:15 | 2078.7 | -1226.3 | 2413.5 | 4013.9 | | | | | | |
| 3:40 | 8:20 | 2047.9 | -1266.1 | 2407.7 | 4032.2 | | | | | | |
| 3:35 | 8:25 | 2016.1 | -1305.2 | 2401.7 | 4050.1 | | | | | | |
| 3:30 | 8:30 | 1983.4 | -1343.8 | 2395.7 | 4067.5 | | | | | | |
| 3:25 | 8:35 | 1949.7 | -1381.6 | 2389.6 | 4084.4 | | | | | | |
| 3:20 | 8:40 | 1915.1 | -1418.9 | 2383.5 | 4100.9 | | | | | | |
| 3:15 | 8:45 | 1879.6 | -1455.4 | 2377.2 | 4116.9 | | | | | | |
| 3:10 | 8:50 | 1843.2 | -1491.3 | 2370.9 | 4132.5 | | | | | | |
| 3:05 | 8:55 | 1805.9 | -1526.4 | 2364.6 | 4147.6 | | | | | | |
| 3:00 | 9:00 | 1767.8 | -1560.8 | 2358.2 | 4162.3 | | | | | | |

Analematic Sundial

Latitude: 62.0° N/S

Date Scale

Semi-Major Axis (E-W): 2500 mm Semi-Minor Axis (N-S): 2207.4 mm

| Month | Date | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1 | 5 | 6 | 10 | 11 | 15 | 16 | 20 | 21 | 25 | 26 |
| January | -498.0 | -488.6 | -485.7 | -472.8 | -469.0 | -452.9 | -448.4 | -429.3 | -424.2 | -402.5 | -396.8 |
| February | -360.2 | -333.9 | -327.0 | -299.2 | -292.2 | -263.0 | -255.5 | -225.4 | -217.7 | -186.7 | -178.8 |
| March | -155.1 | -123.4 | -115.3 | -83.1 | -75.1 | -42.6 | -34.6 | -2.0 | 5.9 | 38.3 | 46.3 |
| April | 94.4 | 126.1 | 133.9 | 164.9 | 172.7 | 203.2 | 210.5 | 240.3 | 247.5 | 276.1 | 283.1 |
| May | 317.1 | 343.2 | 349.4 | 373.7 | 379.5 | 401.8 | 407.1 | 427.4 | 432.3 | 450.1 | 454.1 |
| June | 476.1 | 487.6 | 490.2 | 498.7 | 500.6 | 506.0 | 506.7 | 508.6 | 508.9 | 505.2 | 506.9 |
| July | 500.6 | 492.6 | 490.2 | 479.4 | 476.3 | 462.3 | 458.5 | 441.9 | 437.4 | 418.4 | 413.3 |
| August | 380.9 | 357.3 | 351.2 | 325.9 | 319.5 | 292.8 | 285.9 | 258.1 | 251.0 | 222.0 | 214.6 |
| September | 169.8 | 139.1 | 131.4 | 100.2 | 92.4 | 60.9 | 53.1 | 21.3 | 13.3 | -18.6 | -26.6 |
| October | -66.4 | -98.4 | -106.2 | -137.9 | -145.6 | -176.9 | -184.6 | -215.2 | -222.8 | -252.7 | -260.0 |
| November | -302.9 | -330.3 | -337.0 | -362.9 | -369.2 | -393.2 | -398.9 | -420.7 | -425.8 | -445.1 | -449.8 |
| December | -469.9 | -483.5 | -486.4 | -496.3 | -498.4 | -504.7 | -506.0 | -508.6 | -508.9 | -507.7 | -506.9 |

Northern Hemisphere

| Month | Date | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1 | 5 | 6 | 10 | 11 | 15 | 16 | 20 | 21 | 25 | 26 |
| January | 498.0 | 488.6 | 485.7 | 472.8 | 469.0 | 452.9 | 448.4 | 429.3 | 424.2 | 402.5 | 396.8 |
| February | 360.2 | 333.9 | 327.0 | 299.2 | 292.2 | 263.0 | 255.5 | 225.4 | 217.7 | 186.7 | 178.8 |
| March | 155.1 | 123.4 | 115.3 | 83.1 | 75.1 | 42.6 | 34.6 | 2.0 | -5.9 | -38.3 | -46.3 |
| April | -94.4 | -126.1 | -133.9 | -164.9 | -172.7 | -203.2 | -210.5 | -240.3 | -247.5 | -276.1 | -283.1 |
| May | -317.1 | -343.2 | -349.4 | -373.7 | -379.5 | -401.8 | -407.1 | -427.4 | -432.3 | -450.1 | -454.1 |
| June | -476.1 | -487.6 | -490.2 | -498.7 | -500.6 | -506.0 | -506.7 | -508.6 | -508.9 | -505.2 | -506.9 |
| July | -500.6 | -492.6 | -490.2 | -479.4 | -476.3 | -462.3 | -458.5 | -441.9 | -437.4 | -418.4 | -413.3 |
| August | -380.9 | -357.3 | -351.2 | -325.9 | -319.5 | -292.8 | -285.9 | -258.1 | -251.0 | -222.0 | -214.6 |
| September | -169.8 | -139.1 | -131.4 | -100.2 | -92.4 | -60.9 | -53.1 | -21.3 | -13.3 | 18.6 | 26.6 |
| October | 66.4 | 98.4 | 106.2 | 137.9 | 145.6 | 176.9 | 184.6 | 215.2 | 222.8 | 252.7 | 260.0 |
| November | 302.9 | 330.3 | 337.0 | 362.9 | 369.2 | 393.2 | 398.9 | 420.7 | 425.8 | 445.1 | 449.8 |
| December | 469.9 | 483.5 | 486.4 | 496.3 | 498.4 | 504.7 | 506.0 | 508.6 | 508.9 | 507.7 | 506.9 |

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