

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 63.0° N/S

Earliest Sunrise: 1:51 a.m. Latest Sunset: 10:09 p.m.

E-W Dimension: 1000 mm

Local Time		X	Y	Local Time		X	Y	Local Time		X	Y
12:00		0.0	-500.0								
11:55	12:05	9.7	-500.0	8:25	3:35	500.0	-411.5	4:55	7:05	500.0	163.6
11:50	12:10	19.5	-500.0	8:20	3:40	500.0	-392.9	4:50	7:10	500.0	176.9
11:45	12:15	29.2	-500.0	8:15	3:45	500.0	-375.0	4:45	7:15	500.0	190.5
11:40	12:20	39.0	-500.0	8:10	3:50	500.0	-357.5	4:40	7:20	500.0	204.2
11:35	12:25	48.8	-500.0	8:05	3:55	500.0	-340.5	4:35	7:25	500.0	218.2
11:30	12:30	58.7	-500.0	8:00	4:00	500.0	-324.0	4:30	7:30	500.0	232.4
11:25	12:35	68.6	-500.0	7:55	4:05	500.0	-307.9	4:25	7:35	500.0	246.9
11:20	12:40	78.6	-500.0	7:50	4:10	500.0	-292.1	4:20	7:40	500.0	261.7
11:15	12:45	88.6	-500.0	7:45	4:15	500.0	-276.7	4:15	7:45	500.0	276.7
11:10	12:50	98.8	-500.0	7:40	4:20	500.0	-261.7	4:10	7:50	500.0	292.1
11:05	12:55	109.0	-500.0	7:35	4:25	500.0	-246.9	4:05	7:55	500.0	307.9
11:00	1:00	119.4	-500.0	7:30	4:30	500.0	-232.4	4:00	8:00	500.0	324.0
10:55	1:05	129.9	-500.0	7:25	4:35	500.0	-218.2	3:55	8:05	500.0	340.5
10:50	1:10	140.5	-500.0	7:20	4:40	500.0	-204.2	3:50	8:10	500.0	357.5
10:45	1:15	151.2	-500.0	7:15	4:45	500.0	-190.5	3:45	8:15	500.0	375.0
10:40	1:20	162.1	-500.0	7:10	4:50	500.0	-176.9	3:40	8:20	500.0	392.9
10:35	1:25	173.2	-500.0	7:05	4:55	500.0	-163.6	3:35	8:25	500.0	411.5
10:30	1:30	184.5	-500.0	7:00	5:00	500.0	-150.4	3:30	8:30	500.0	430.6
10:25	1:35	196.0	-500.0	6:55	5:05	500.0	-137.3	3:25	8:35	500.0	450.4
10:20	1:40	207.7	-500.0	6:50	5:10	500.0	-124.4	3:20	8:40	500.0	470.9
10:15	1:45	219.7	-500.0	6:45	5:15	500.0	-111.6	3:15	8:45	500.0	492.1
10:10	1:50	231.9	-500.0	6:40	5:20	500.0	-98.9	3:10	8:50	486.2	500.0
10:05	1:55	244.4	-500.0	6:35	5:25	500.0	-86.4	3:05	8:55	465.4	500.0
10:00	2:00	257.2	-500.0	6:30	5:30	500.0	-73.9	3:00	9:00	445.5	500.0
9:55	2:05	270.3	-500.0	6:25	5:35	500.0	-61.5	2:55	9:05	426.5	500.0
9:50	2:10	283.8	-500.0	6:20	5:40	500.0	-49.1	2:50	9:10	408.2	500.0
9:45	2:15	297.7	-500.0	6:15	5:45	500.0	-36.8	2:45	9:15	390.7	500.0
9:40	2:20	311.9	-500.0	6:10	5:50	500.0	-24.5	2:40	9:20	373.8	500.0
9:35	2:25	326.7	-500.0	6:05	5:55	500.0	-12.2	2:35	9:25	357.6	500.0
9:30	2:30	341.8	-500.0	6:00	6:00	500.0	0.0	2:30	9:30	341.8	500.0
9:25	2:35	357.6	-500.0	5:55	6:05	500.0	12.2	2:25	9:35	326.7	500.0
9:20	2:40	373.8	-500.0	5:50	6:10	500.0	24.5	2:20	9:40	311.9	500.0
9:15	2:45	390.7	-500.0	5:45	6:15	500.0	36.8	2:15	9:45	297.7	500.0
9:10	2:50	408.2	-500.0	5:40	6:20	500.0	49.1	2:10	9:50	283.8	500.0
9:05	2:55	426.5	-500.0	5:35	6:25	500.0	61.5	2:05	9:55	270.3	500.0
9:00	3:00	445.5	-500.0	5:30	6:30	500.0	73.9	2:00	10:00	257.2	500.0
8:55	3:05	465.4	-500.0	5:25	6:35	500.0	86.4	1:55	10:05	244.4	500.0
8:50	3:10	486.2	-500.0	5:20	6:40	500.0	98.9	1:50	10:10	231.9	500.0
8:45	3:15	500.0	-492.1	5:15	6:45	500.0	111.6	1:45	10:15	219.7	500.0
8:40	3:20	500.0	-470.9	5:10	6:50	500.0	124.4				
8:35	3:25	500.0	-450.4	5:05	6:55	500.0	137.3				
8:30	3:30	500.0	-430.6	5:00	7:00	500.0	150.4				

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Earliest Sunrise: 1:51 a.m. Latest Sunset: 10:09 p.m.

E-W Dimension: 3000 mm

Local Time		X	Y	Local Time		X	Y	Local Time		X	Y
12:00		0.0	-1500.0								
11:55	12:05	29.2	-1500.0	8:25	3:35	1500.0	-1234.4	4:55	7:05	1500.0	490.7
11:50	12:10	58.4	-1500.0	8:20	3:40	1500.0	-1178.8	4:50	7:10	1500.0	530.8
11:45	12:15	87.6	-1500.0	8:15	3:45	1500.0	-1124.9	4:45	7:15	1500.0	571.5
11:40	12:20	116.9	-1500.0	8:10	3:50	1500.0	-1072.5	4:40	7:20	1500.0	612.7
11:35	12:25	146.4	-1500.0	8:05	3:55	1500.0	-1021.6	4:35	7:25	1500.0	654.7
11:30	12:30	176.0	-1500.0	8:00	4:00	1500.0	-972.0	4:30	7:30	1500.0	697.3
11:25	12:35	205.7	-1500.0	7:55	4:05	1500.0	-923.6	4:25	7:35	1500.0	740.8
11:20	12:40	235.7	-1500.0	7:50	4:10	1500.0	-876.4	4:20	7:40	1500.0	785.0
11:15	12:45	265.8	-1500.0	7:45	4:15	1500.0	-830.2	4:15	7:45	1500.0	830.2
11:10	12:50	296.3	-1500.0	7:40	4:20	1500.0	-785.0	4:10	7:50	1500.0	876.4
11:05	12:55	327.0	-1500.0	7:35	4:25	1500.0	-740.8	4:05	7:55	1500.0	923.6
11:00	1:00	358.1	-1500.0	7:30	4:30	1500.0	-697.3	4:00	8:00	1500.0	972.0
10:55	1:05	389.6	-1500.0	7:25	4:35	1500.0	-654.7	3:55	8:05	1500.0	1021.6
10:50	1:10	421.4	-1500.0	7:20	4:40	1500.0	-612.7	3:50	8:10	1500.0	1072.5
10:45	1:15	453.7	-1500.0	7:15	4:45	1500.0	-571.5	3:45	8:15	1500.0	1124.9
10:40	1:20	486.4	-1500.0	7:10	4:50	1500.0	-530.8	3:40	8:20	1500.0	1178.8
10:35	1:25	519.7	-1500.0	7:05	4:55	1500.0	-490.7	3:35	8:25	1500.0	1234.4
10:30	1:30	553.6	-1500.0	7:00	5:00	1500.0	-451.1	3:30	8:30	1500.0	1291.8
10:25	1:35	588.1	-1500.0	6:55	5:05	1500.0	-411.9	3:25	8:35	1500.0	1351.1
10:20	1:40	623.2	-1500.0	6:50	5:10	1500.0	-373.2	3:20	8:40	1500.0	1412.6
10:15	1:45	659.1	-1500.0	6:45	5:15	1500.0	-334.9	3:15	8:45	1500.0	1476.4
10:10	1:50	695.7	-1500.0	6:40	5:20	1500.0	-296.8	3:10	8:50	1458.5	1500.0
10:05	1:55	733.2	-1500.0	6:35	5:25	1500.0	-259.1	3:05	8:55	1396.1	1500.0
10:00	2:00	771.6	-1500.0	6:30	5:30	1500.0	-221.6	3:00	9:00	1336.5	1500.0
9:55	2:05	811.0	-1500.0	6:25	5:35	1500.0	-184.4	2:55	9:05	1279.4	1500.0
9:50	2:10	851.5	-1500.0	6:20	5:40	1500.0	-147.3	2:50	9:10	1224.7	1500.0
9:45	2:15	893.0	-1500.0	6:15	5:45	1500.0	-110.3	2:45	9:15	1172.1	1500.0
9:40	2:20	935.8	-1500.0	6:10	5:50	1500.0	-73.5	2:40	9:20	1121.5	1500.0
9:35	2:25	980.0	-1500.0	6:05	5:55	1500.0	-36.7	2:35	9:25	1072.7	1500.0
9:30	2:30	1025.5	-1500.0	6:00	6:00	1500.0	0.0	2:30	9:30	1025.5	1500.0
9:25	2:35	1072.7	-1500.0	5:55	6:05	1500.0	36.7	2:25	9:35	980.0	1500.0
9:20	2:40	1121.5	-1500.0	5:50	6:10	1500.0	73.5	2:20	9:40	935.8	1500.0
9:15	2:45	1172.1	-1500.0	5:45	6:15	1500.0	110.3	2:15	9:45	893.0	1500.0
9:10	2:50	1224.7	-1500.0	5:40	6:20	1500.0	147.3	2:10	9:50	851.5	1500.0
9:05	2:55	1279.4	-1500.0	5:35	6:25	1500.0	184.4	2:05	9:55	811.0	1500.0
9:00	3:00	1336.5	-1500.0	5:30	6:30	1500.0	221.6	2:00	10:00	771.6	1500.0
8:55	3:05	1396.1	-1500.0	5:25	6:35	1500.0	259.1	1:55	10:05	733.2	1500.0
8:50	3:10	1458.5	-1500.0	5:20	6:40	1500.0	296.8	1:50	10:10	695.7	1500.0
8:45	3:15	1500.0	-1476.4	5:15	6:45	1500.0	334.9	1:45	10:15	659.1	1500.0
8:40	3:20	1500.0	-1412.6	5:10	6:50	1500.0	373.2				
8:35	3:25	1500.0	-1351.1	5:05	6:55	1500.0	411.9				
8:30	3:30	1500.0	-1291.8	5:00	7:00	1500.0	451.1				