

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 62.0° N/S

Earliest Sunrise: 2:07 a.m. Latest Sunset: 9:53 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	9.6	-500.0	8:25	3:35	500.0	-415.2	4:55	7:05	500.0	165.1
11:50	12:10	19.3	-500.0	8:20	3:40	500.0	-396.5	4:50	7:10	500.0	178.5
11:45	12:15	28.9	-500.0	8:15	3:45	500.0	-378.4	4:45	7:15	500.0	192.2
11:40	12:20	38.6	-500.0	8:10	3:50	500.0	-360.8	4:40	7:20	500.0	206.1
11:35	12:25	48.3	-500.0	8:05	3:55	500.0	-343.6	4:35	7:25	500.0	220.2
11:30	12:30	58.1	-500.0	8:00	4:00	500.0	-326.9	4:30	7:30	500.0	234.6
11:25	12:35	67.9	-500.0	7:55	4:05	500.0	-310.7	4:25	7:35	500.0	249.2
11:20	12:40	77.8	-500.0	7:50	4:10	500.0	-294.8	4:20	7:40	500.0	264.1
11:15	12:45	87.8	-500.0	7:45	4:15	500.0	-279.3	4:15	7:45	500.0	279.3
11:10	12:50	97.9	-500.0	7:40	4:20	500.0	-264.1	4:10	7:50	500.0	294.8
11:05	12:55	108.0	-500.0	7:35	4:25	500.0	-249.2	4:05	7:55	500.0	310.7
11:00	1:00	118.3	-500.0	7:30	4:30	500.0	-234.6	4:00	8:00	500.0	326.9
10:55	1:05	128.7	-500.0	7:25	4:35	500.0	-220.2	3:55	8:05	500.0	343.6
10:50	1:10	139.2	-500.0	7:20	4:40	500.0	-206.1	3:50	8:10	500.0	360.8
10:45	1:15	149.9	-500.0	7:15	4:45	500.0	-192.2	3:45	8:15	500.0	378.4
10:40	1:20	160.7	-500.0	7:10	4:50	500.0	-178.5	3:40	8:20	500.0	396.5
10:35	1:25	171.7	-500.0	7:05	4:55	500.0	-165.1	3:35	8:25	500.0	415.2
10:30	1:30	182.9	-500.0	7:00	5:00	500.0	-151.7	3:30	8:30	500.0	434.5
10:25	1:35	194.3	-500.0	6:55	5:05	500.0	-138.6	3:25	8:35	500.0	454.5
10:20	1:40	205.9	-500.0	6:50	5:10	500.0	-125.5	3:20	8:40	500.0	475.2
10:15	1:45	217.7	-500.0	6:45	5:15	500.0	-112.6	3:15	8:45	500.0	496.6
10:10	1:50	229.8	-500.0	6:40	5:20	500.0	-99.9	3:10	8:50	481.8	500.0
10:05	1:55	242.2	-500.0	6:35	5:25	500.0	-87.2	3:05	8:55	461.2	500.0
10:00	2:00	254.9	-500.0	6:30	5:30	500.0	-74.6	3:00	9:00	441.5	500.0
9:55	2:05	267.9	-500.0	6:25	5:35	500.0	-62.0	2:55	9:05	422.6	500.0
9:50	2:10	281.2	-500.0	6:20	5:40	500.0	-49.5	2:50	9:10	404.5	500.0
9:45	2:15	295.0	-500.0	6:15	5:45	500.0	-37.1	2:45	9:15	387.2	500.0
9:40	2:20	309.1	-500.0	6:10	5:50	500.0	-24.7	2:40	9:20	370.4	500.0
9:35	2:25	323.7	-500.0	6:05	5:55	500.0	-12.4	2:35	9:25	354.3	500.0
9:30	2:30	338.8	-500.0	6:00	6:00	500.0	0.0	2:30	9:30	338.8	500.0
9:25	2:35	354.3	-500.0	5:55	6:05	500.0	12.4	2:25	9:35	323.7	500.0
9:20	2:40	370.4	-500.0	5:50	6:10	500.0	24.7	2:20	9:40	309.1	500.0
9:15	2:45	387.2	-500.0	5:45	6:15	500.0	37.1	2:15	9:45	295.0	500.0
9:10	2:50	404.5	-500.0	5:40	6:20	500.0	49.5	2:10	9:50	281.2	500.0
9:05	2:55	422.6	-500.0	5:35	6:25	500.0	62.0	2:05	9:55	267.9	500.0
9:00	3:00	441.5	-500.0	5:30	6:30	500.0	74.6	2:00	10:00	254.9	500.0
8:55	3:05	461.2	-500.0	5:25	6:35	500.0	87.2				
8:50	3:10	481.8	-500.0	5:20	6:40	500.0	99.9				
8:45	3:15	500.0	-496.6	5:15	6:45	500.0	112.6				
8:40	3:20	500.0	-475.2	5:10	6:50	500.0	125.5				
8:35	3:25	500.0	-454.5	5:05	6:55	500.0	138.6				
8:30	3:30	500.0	-434.5	5:00	7:00	500.0	151.7				

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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	28.9	-1500.0	8:25	3:35	1500.0	-1245.7	4:55	7:05	1500.0	495.2
11:50	12:10	57.8	-1500.0	8:20	3:40	1500.0	-1189.6	4:50	7:10	1500.0	535.6
11:45	12:15	86.8	-1500.0	8:15	3:45	1500.0	-1135.1	4:45	7:15	1500.0	576.7
11:40	12:20	115.9	-1500.0	8:10	3:50	1500.0	-1082.3	4:40	7:20	1500.0	618.3
11:35	12:25	145.0	-1500.0	8:05	3:55	1500.0	-1030.9	4:35	7:25	1500.0	660.6
11:30	12:30	174.4	-1500.0	8:00	4:00	1500.0	-980.8	4:30	7:30	1500.0	703.7
11:25	12:35	203.8	-1500.0	7:55	4:05	1500.0	-932.0	4:25	7:35	1500.0	747.5
11:20	12:40	233.5	-1500.0	7:50	4:10	1500.0	-884.4	4:20	7:40	1500.0	792.2
11:15	12:45	263.4	-1500.0	7:45	4:15	1500.0	-837.8	4:15	7:45	1500.0	837.8
11:10	12:50	293.6	-1500.0	7:40	4:20	1500.0	-792.2	4:10	7:50	1500.0	884.4
11:05	12:55	324.1	-1500.0	7:35	4:25	1500.0	-747.5	4:05	7:55	1500.0	932.0
11:00	1:00	354.9	-1500.0	7:30	4:30	1500.0	-703.7	4:00	8:00	1500.0	980.8
10:55	1:05	386.0	-1500.0	7:25	4:35	1500.0	-660.6	3:55	8:05	1500.0	1030.9
10:50	1:10	417.6	-1500.0	7:20	4:40	1500.0	-618.3	3:50	8:10	1500.0	1082.3
10:45	1:15	449.6	-1500.0	7:15	4:45	1500.0	-576.7	3:45	8:15	1500.0	1135.1
10:40	1:20	482.0	-1500.0	7:10	4:50	1500.0	-535.6	3:40	8:20	1500.0	1189.6
10:35	1:25	515.0	-1500.0	7:05	4:55	1500.0	-495.2	3:35	8:25	1500.0	1245.7
10:30	1:30	548.6	-1500.0	7:00	5:00	1500.0	-455.2	3:30	8:30	1500.0	1303.6
10:25	1:35	582.8	-1500.0	6:55	5:05	1500.0	-415.7	3:25	8:35	1500.0	1363.5
10:20	1:40	617.6	-1500.0	6:50	5:10	1500.0	-376.6	3:20	8:40	1500.0	1425.5
10:15	1:45	653.1	-1500.0	6:45	5:15	1500.0	-337.9	3:15	8:45	1500.0	1489.9
10:10	1:50	689.5	-1500.0	6:40	5:20	1500.0	-299.6	3:10	8:50	1445.4	1500.0
10:05	1:55	726.6	-1500.0	6:35	5:25	1500.0	-261.5	3:05	8:55	1383.5	1500.0
10:00	2:00	764.7	-1500.0	6:30	5:30	1500.0	-223.7	3:00	9:00	1324.4	1500.0
9:55	2:05	803.7	-1500.0	6:25	5:35	1500.0	-186.1	2:55	9:05	1267.9	1500.0
9:50	2:10	843.7	-1500.0	6:20	5:40	1500.0	-148.6	2:50	9:10	1213.6	1500.0
9:45	2:15	885.0	-1500.0	6:15	5:45	1500.0	-111.3	2:45	9:15	1161.5	1500.0
9:40	2:20	927.4	-1500.0	6:10	5:50	1500.0	-74.2	2:40	9:20	1111.3	1500.0
9:35	2:25	971.1	-1500.0	6:05	5:55	1500.0	-37.1	2:35	9:25	1063.0	1500.0
9:30	2:30	1016.3	-1500.0	6:00	6:00	1500.0	0.0	2:30	9:30	1016.3	1500.0
9:25	2:35	1063.0	-1500.0	5:55	6:05	1500.0	37.1	2:25	9:35	971.1	1500.0
9:20	2:40	1111.3	-1500.0	5:50	6:10	1500.0	74.2	2:20	9:40	927.4	1500.0
9:15	2:45	1161.5	-1500.0	5:45	6:15	1500.0	111.3	2:15	9:45	885.0	1500.0
9:10	2:50	1213.6	-1500.0	5:40	6:20	1500.0	148.6	2:10	9:50	843.7	1500.0
9:05	2:55	1267.9	-1500.0	5:35	6:25	1500.0	186.1	2:05	9:55	803.7	1500.0
9:00	3:00	1324.4	-1500.0	5:30	6:30	1500.0	223.7	2:00	10:00	764.7	1500.0
8:55	3:05	1383.5	-1500.0	5:25	6:35	1500.0	261.5				
8:50	3:10	1445.4	-1500.0	5:20	6:40	1500.0	299.6				
8:45	3:15	1500.0	-1489.9	5:15	6:45	1500.0	337.9				
8:40	3:20	1500.0	-1425.5	5:10	6:50	1500.0	376.6				
8:35	3:25	1500.0	-1363.5	5:05	6:55	1500.0	415.7				
8:30	3:30	1500.0	-1303.6	5:00	7:00	1500.0	455.2				