

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 59.0° N/S

Earliest Sunrise: 2:44 a.m. Latest Sunset: 9:16 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	9.4	-500.0	8:25	3:35	500.0	-427.7	4:55	7:05	500.0	170.0
11:50	12:10	18.7	-500.0	8:20	3:40	500.0	-408.4	4:50	7:10	500.0	183.9
11:45	12:15	28.1	-500.0	8:15	3:45	500.0	-389.8	4:45	7:15	500.0	198.0
11:40	12:20	37.5	-500.0	8:10	3:50	500.0	-371.6	4:40	7:20	500.0	212.3
11:35	12:25	46.9	-500.0	8:05	3:55	500.0	-354.0	4:35	7:25	500.0	226.8
11:30	12:30	56.4	-500.0	8:00	4:00	500.0	-336.8	4:30	7:30	500.0	241.6
11:25	12:35	66.0	-500.0	7:55	4:05	500.0	-320.0	4:25	7:35	500.0	256.7
11:20	12:40	75.6	-500.0	7:50	4:10	500.0	-303.7	4:20	7:40	500.0	272.0
11:15	12:45	85.3	-500.0	7:45	4:15	500.0	-287.7	4:15	7:45	500.0	287.7
11:10	12:50	95.0	-500.0	7:40	4:20	500.0	-272.0	4:10	7:50	500.0	303.7
11:05	12:55	104.9	-500.0	7:35	4:25	500.0	-256.7	4:05	7:55	500.0	320.0
11:00	1:00	114.8	-500.0	7:30	4:30	500.0	-241.6	4:00	8:00	500.0	336.8
10:55	1:05	124.9	-500.0	7:25	4:35	500.0	-226.8	3:55	8:05	500.0	354.0
10:50	1:10	135.1	-500.0	7:20	4:40	500.0	-212.3	3:50	8:10	500.0	371.6
10:45	1:15	145.5	-500.0	7:15	4:45	500.0	-198.0	3:45	8:15	500.0	389.8
10:40	1:20	156.0	-500.0	7:10	4:50	500.0	-183.9	3:40	8:20	500.0	408.4
10:35	1:25	166.7	-500.0	7:05	4:55	500.0	-170.0	3:35	8:25	500.0	427.7
10:30	1:30	177.5	-500.0	7:00	5:00	500.0	-156.3	3:30	8:30	500.0	447.6
10:25	1:35	188.6	-500.0	6:55	5:05	500.0	-142.7	3:25	8:35	500.0	468.2
10:20	1:40	199.9	-500.0	6:50	5:10	500.0	-129.3	3:20	8:40	500.0	489.5
10:15	1:45	211.4	-500.0	6:45	5:15	500.0	-116.0	3:15	8:45	488.7	500.0
10:10	1:50	223.1	-500.0	6:40	5:20	500.0	-102.9	3:10	8:50	467.7	500.0
10:05	1:55	235.1	-500.0	6:35	5:25	500.0	-89.8	3:05	8:55	447.7	500.0
10:00	2:00	247.4	-500.0	6:30	5:30	500.0	-76.8	3:00	9:00	428.6	500.0
9:55	2:05	260.1	-500.0	6:25	5:35	500.0	-63.9	2:55	9:05	410.3	500.0
9:50	2:10	273.0	-500.0	6:20	5:40	500.0	-51.0	2:50	9:10	392.7	500.0
9:45	2:15	286.4	-500.0	6:15	5:45	500.0	-38.2	2:45	9:15	375.9	500.0
9:40	2:20	300.1	-500.0	6:10	5:50	500.0	-25.5	2:40	9:20	359.6	500.0
9:35	2:25	314.3	-500.0	6:05	5:55	500.0	-12.7	2:35	9:25	344.0	500.0
9:30	2:30	328.9	-500.0	6:00	6:00	500.0	0.0	2:30	9:30	328.9	500.0
9:25	2:35	344.0	-500.0	5:55	6:05	500.0	12.7				
9:20	2:40	359.6	-500.0	5:50	6:10	500.0	25.5				
9:15	2:45	375.9	-500.0	5:45	6:15	500.0	38.2				
9:10	2:50	392.7	-500.0	5:40	6:20	500.0	51.0				
9:05	2:55	410.3	-500.0	5:35	6:25	500.0	63.9				
9:00	3:00	428.6	-500.0	5:30	6:30	500.0	76.8				
8:55	3:05	447.7	-500.0	5:25	6:35	500.0	89.8				
8:50	3:10	467.7	-500.0	5:20	6:40	500.0	102.9				
8:45	3:15	488.7	-500.0	5:15	6:45	500.0	116.0				
8:40	3:20	500.0	-489.5	5:10	6:50	500.0	129.3				
8:35	3:25	500.0	-468.2	5:05	6:55	500.0	142.7				
8:30	3:30	500.0	-447.6	5:00	7:00	500.0	156.3				

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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	28.1	-1500.0	8:25	3:35	1500.0	-1283.1	4:55	7:05	1500.0	510.1
11:50	12:10	56.1	-1500.0	8:20	3:40	1500.0	-1225.3	4:50	7:10	1500.0	551.8
11:45	12:15	84.3	-1500.0	8:15	3:45	1500.0	-1169.3	4:45	7:15	1500.0	594.0
11:40	12:20	112.5	-1500.0	8:10	3:50	1500.0	-1114.8	4:40	7:20	1500.0	636.9
11:35	12:25	140.8	-1500.0	8:05	3:55	1500.0	-1061.9	4:35	7:25	1500.0	680.5
11:30	12:30	169.3	-1500.0	8:00	4:00	1500.0	-1010.3	4:30	7:30	1500.0	724.9
11:25	12:35	197.9	-1500.0	7:55	4:05	1500.0	-960.1	4:25	7:35	1500.0	770.0
11:20	12:40	226.7	-1500.0	7:50	4:10	1500.0	-911.0	4:20	7:40	1500.0	816.0
11:15	12:45	255.8	-1500.0	7:45	4:15	1500.0	-863.0	4:15	7:45	1500.0	863.0
11:10	12:50	285.0	-1500.0	7:40	4:20	1500.0	-816.0	4:10	7:50	1500.0	911.0
11:05	12:55	314.6	-1500.0	7:35	4:25	1500.0	-770.0	4:05	7:55	1500.0	960.1
11:00	1:00	344.5	-1500.0	7:30	4:30	1500.0	-724.9	4:00	8:00	1500.0	1010.3
10:55	1:05	374.8	-1500.0	7:25	4:35	1500.0	-680.5	3:55	8:05	1500.0	1061.9
10:50	1:10	405.4	-1500.0	7:20	4:40	1500.0	-636.9	3:50	8:10	1500.0	1114.8
10:45	1:15	436.5	-1500.0	7:15	4:45	1500.0	-594.0	3:45	8:15	1500.0	1169.3
10:40	1:20	468.0	-1500.0	7:10	4:50	1500.0	-551.8	3:40	8:20	1500.0	1225.3
10:35	1:25	500.0	-1500.0	7:05	4:55	1500.0	-510.1	3:35	8:25	1500.0	1283.1
10:30	1:30	532.6	-1500.0	7:00	5:00	1500.0	-468.9	3:30	8:30	1500.0	1342.8
10:25	1:35	565.7	-1500.0	6:55	5:05	1500.0	-428.2	3:25	8:35	1500.0	1404.5
10:20	1:40	599.6	-1500.0	6:50	5:10	1500.0	-388.0	3:20	8:40	1500.0	1468.4
10:15	1:45	634.1	-1500.0	6:45	5:15	1500.0	-348.1	3:15	8:45	1466.1	1500.0
10:10	1:50	669.3	-1500.0	6:40	5:20	1500.0	-308.6	3:10	8:50	1403.2	1500.0
10:05	1:55	705.4	-1500.0	6:35	5:25	1500.0	-269.3	3:05	8:55	1343.1	1500.0
10:00	2:00	742.3	-1500.0	6:30	5:30	1500.0	-230.4	3:00	9:00	1285.8	1500.0
9:55	2:05	780.2	-1500.0	6:25	5:35	1500.0	-191.7	2:55	9:05	1230.8	1500.0
9:50	2:10	819.1	-1500.0	6:20	5:40	1500.0	-153.1	2:50	9:10	1178.2	1500.0
9:45	2:15	859.1	-1500.0	6:15	5:45	1500.0	-114.7	2:45	9:15	1127.6	1500.0
9:40	2:20	900.3	-1500.0	6:10	5:50	1500.0	-76.4	2:40	9:20	1078.9	1500.0
9:35	2:25	942.8	-1500.0	6:05	5:55	1500.0	-38.2	2:35	9:25	1031.9	1500.0
9:30	2:30	986.6	-1500.0	6:00	6:00	1500.0	0.0	2:30	9:30	986.6	1500.0
9:25	2:35	1031.9	-1500.0	5:55	6:05	1500.0	38.2				
9:20	2:40	1078.9	-1500.0	5:50	6:10	1500.0	76.4				
9:15	2:45	1127.6	-1500.0	5:45	6:15	1500.0	114.7				
9:10	2:50	1178.2	-1500.0	5:40	6:20	1500.0	153.1				
9:05	2:55	1230.8	-1500.0	5:35	6:25	1500.0	191.7				
9:00	3:00	1285.8	-1500.0	5:30	6:30	1500.0	230.4				
8:55	3:05	1343.1	-1500.0	5:25	6:35	1500.0	269.3				
8:50	3:10	1403.2	-1500.0	5:20	6:40	1500.0	308.6				
8:45	3:15	1466.1	-1500.0	5:15	6:45	1500.0	348.1				
8:40	3:20	1500.0	-1468.4	5:10	6:50	1500.0	388.0				
8:35	3:25	1500.0	-1404.5	5:05	6:55	1500.0	428.2				
8:30	3:30	1500.0	-1342.8	5:00	7:00	1500.0	468.9				