

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 58.0° N/S

Earliest Sunrise: 2:54 a.m. Latest Sunset: 9:06 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	9.3	-500.0	8:25	3:35	500.0	-432.3	4:55	7:05	500.0	171.8
11:50	12:10	18.5	-500.0	8:20	3:40	500.0	-412.8	4:50	7:10	500.0	185.9
11:45	12:15	27.8	-500.0	8:15	3:45	500.0	-394.0	4:45	7:15	500.0	200.1
11:40	12:20	37.1	-500.0	8:10	3:50	500.0	-375.6	4:40	7:20	500.0	214.6
11:35	12:25	46.4	-500.0	8:05	3:55	500.0	-357.8	4:35	7:25	500.0	229.3
11:30	12:30	55.8	-500.0	8:00	4:00	500.0	-340.4	4:30	7:30	500.0	244.2
11:25	12:35	65.3	-500.0	7:55	4:05	500.0	-323.5	4:25	7:35	500.0	259.4
11:20	12:40	74.8	-500.0	7:50	4:10	500.0	-306.9	4:20	7:40	500.0	274.9
11:15	12:45	84.3	-500.0	7:45	4:15	500.0	-290.8	4:15	7:45	500.0	290.8
11:10	12:50	94.0	-500.0	7:40	4:20	500.0	-274.9	4:10	7:50	500.0	306.9
11:05	12:55	103.8	-500.0	7:35	4:25	500.0	-259.4	4:05	7:55	500.0	323.5
11:00	1:00	113.6	-500.0	7:30	4:30	500.0	-244.2	4:00	8:00	500.0	340.4
10:55	1:05	123.6	-500.0	7:25	4:35	500.0	-229.3	3:55	8:05	500.0	357.8
10:50	1:10	133.7	-500.0	7:20	4:40	500.0	-214.6	3:50	8:10	500.0	375.6
10:45	1:15	143.9	-500.0	7:15	4:45	500.0	-200.1	3:45	8:15	500.0	394.0
10:40	1:20	154.3	-500.0	7:10	4:50	500.0	-185.9	3:40	8:20	500.0	412.8
10:35	1:25	164.9	-500.0	7:05	4:55	500.0	-171.8	3:35	8:25	500.0	432.3
10:30	1:30	175.6	-500.0	7:00	5:00	500.0	-158.0	3:30	8:30	500.0	452.4
10:25	1:35	186.6	-500.0	6:55	5:05	500.0	-144.3	3:25	8:35	500.0	473.2
10:20	1:40	197.7	-500.0	6:50	5:10	500.0	-130.7	3:20	8:40	500.0	494.7
10:15	1:45	209.1	-500.0	6:45	5:15	500.0	-117.3	3:15	8:45	483.5	500.0
10:10	1:50	220.7	-500.0	6:40	5:20	500.0	-104.0	3:10	8:50	462.7	500.0
10:05	1:55	232.6	-500.0	6:35	5:25	500.0	-90.7	3:05	8:55	442.9	500.0
10:00	2:00	244.8	-500.0	6:30	5:30	500.0	-77.6	3:00	9:00	424.0	500.0
9:55	2:05	257.3	-500.0	6:25	5:35	500.0	-64.6	2:55	9:05	405.9	500.0
9:50	2:10	270.1	-500.0	6:20	5:40	500.0	-51.6	2:50	9:10	388.5	500.0
9:45	2:15	283.3	-500.0	6:15	5:45	500.0	-38.6	2:45	9:15	371.9	500.0
9:40	2:20	296.9	-500.0	6:10	5:50	500.0	-25.7				
9:35	2:25	310.9	-500.0	6:05	5:55	500.0	-12.9				
9:30	2:30	325.4	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	340.3	-500.0	5:55	6:05	500.0	12.9				
9:20	2:40	355.8	-500.0	5:50	6:10	500.0	25.7				
9:15	2:45	371.9	-500.0	5:45	6:15	500.0	38.6				
9:10	2:50	388.5	-500.0	5:40	6:20	500.0	51.6				
9:05	2:55	405.9	-500.0	5:35	6:25	500.0	64.6				
9:00	3:00	424.0	-500.0	5:30	6:30	500.0	77.6				
8:55	3:05	442.9	-500.0	5:25	6:35	500.0	90.7				
8:50	3:10	462.7	-500.0	5:20	6:40	500.0	104.0				
8:45	3:15	483.5	-500.0	5:15	6:45	500.0	117.3				
8:40	3:20	500.0	-494.7	5:10	6:50	500.0	130.7				
8:35	3:25	500.0	-473.2	5:05	6:55	500.0	144.3				
8:30	3:30	500.0	-452.4	5:00	7:00	500.0	158.0				

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Horizontal Shadow Plane Sundial

Latitude: 58.0° N/S

Earliest Sunrise: 2:54 a.m. Latest Sunset: 9:06 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	27.8	-1500.0	8:25	3:35	1500.0	-1296.9	4:55	7:05	1500.0	515.5
11:50	12:10	55.5	-1500.0	8:20	3:40	1500.0	-1238.5	4:50	7:10	1500.0	557.7
11:45	12:15	83.4	-1500.0	8:15	3:45	1500.0	-1181.9	4:45	7:15	1500.0	600.4
11:40	12:20	111.3	-1500.0	8:10	3:50	1500.0	-1126.8	4:40	7:20	1500.0	643.8
11:35	12:25	139.3	-1500.0	8:05	3:55	1500.0	-1073.3	4:35	7:25	1500.0	687.8
11:30	12:30	167.5	-1500.0	8:00	4:00	1500.0	-1021.2	4:30	7:30	1500.0	732.6
11:25	12:35	195.8	-1500.0	7:55	4:05	1500.0	-970.4	4:25	7:35	1500.0	778.3
11:20	12:40	224.3	-1500.0	7:50	4:10	1500.0	-920.8	4:20	7:40	1500.0	824.8
11:15	12:45	253.0	-1500.0	7:45	4:15	1500.0	-872.3	4:15	7:45	1500.0	872.3
11:10	12:50	282.0	-1500.0	7:40	4:20	1500.0	-824.8	4:10	7:50	1500.0	920.8
11:05	12:55	311.3	-1500.0	7:35	4:25	1500.0	-778.3	4:05	7:55	1500.0	970.4
11:00	1:00	340.9	-1500.0	7:30	4:30	1500.0	-732.6	4:00	8:00	1500.0	1021.2
10:55	1:05	370.8	-1500.0	7:25	4:35	1500.0	-687.8	3:55	8:05	1500.0	1073.3
10:50	1:10	401.1	-1500.0	7:20	4:40	1500.0	-643.8	3:50	8:10	1500.0	1126.8
10:45	1:15	431.8	-1500.0	7:15	4:45	1500.0	-600.4	3:45	8:15	1500.0	1181.9
10:40	1:20	463.0	-1500.0	7:10	4:50	1500.0	-557.7	3:40	8:20	1500.0	1238.5
10:35	1:25	494.7	-1500.0	7:05	4:55	1500.0	-515.5	3:35	8:25	1500.0	1296.9
10:30	1:30	526.9	-1500.0	7:00	5:00	1500.0	-473.9	3:30	8:30	1500.0	1357.2
10:25	1:35	559.7	-1500.0	6:55	5:05	1500.0	-432.8	3:25	8:35	1500.0	1419.6
10:20	1:40	593.2	-1500.0	6:50	5:10	1500.0	-392.1	3:20	8:40	1500.0	1484.2
10:15	1:45	627.3	-1500.0	6:45	5:15	1500.0	-351.8	3:15	8:45	1450.5	1500.0
10:10	1:50	662.2	-1500.0	6:40	5:20	1500.0	-311.9	3:10	8:50	1388.2	1500.0
10:05	1:55	697.9	-1500.0	6:35	5:25	1500.0	-272.2	3:05	8:55	1328.8	1500.0
10:00	2:00	734.4	-1500.0	6:30	5:30	1500.0	-232.9	3:00	9:00	1272.1	1500.0
9:55	2:05	771.9	-1500.0	6:25	5:35	1500.0	-193.7	2:55	9:05	1217.7	1500.0
9:50	2:10	810.4	-1500.0	6:20	5:40	1500.0	-154.7	2:50	9:10	1165.6	1500.0
9:45	2:15	850.0	-1500.0	6:15	5:45	1500.0	-115.9	2:45	9:15	1115.6	1500.0
9:40	2:20	890.7	-1500.0	6:10	5:50	1500.0	-77.2				
9:35	2:25	932.7	-1500.0	6:05	5:55	1500.0	-38.6				
9:30	2:30	976.1	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	1020.9	-1500.0	5:55	6:05	1500.0	38.6				
9:20	2:40	1067.4	-1500.0	5:50	6:10	1500.0	77.2				
9:15	2:45	1115.6	-1500.0	5:45	6:15	1500.0	115.9				
9:10	2:50	1165.6	-1500.0	5:40	6:20	1500.0	154.7				
9:05	2:55	1217.7	-1500.0	5:35	6:25	1500.0	193.7				
9:00	3:00	1272.1	-1500.0	5:30	6:30	1500.0	232.9				
8:55	3:05	1328.8	-1500.0	5:25	6:35	1500.0	272.2				
8:50	3:10	1388.2	-1500.0	5:20	6:40	1500.0	311.9				
8:45	3:15	1450.5	-1500.0	5:15	6:45	1500.0	351.8				
8:40	3:20	1500.0	-1484.2	5:10	6:50	1500.0	392.1				
8:35	3:25	1500.0	-1419.6	5:05	6:55	1500.0	432.8				
8:30	3:30	1500.0	-1357.2	5:00	7:00	1500.0	473.9				