

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 43.0° N/S

Earliest Sunrise: 4:19 a.m. Latest Sunset: 7:41 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	7.4	-500.0	8:25	3:35	465.1	-500.0	4:55	7:05	500.0	213.7
11:50	12:10	14.9	-500.0	8:20	3:40	487.0	-500.0	4:50	7:10	500.0	231.2
11:45	12:15	22.4	-500.0	8:15	3:45	500.0	-489.9	4:45	7:15	500.0	248.9
11:40	12:20	29.8	-500.0	8:10	3:50	500.0	-467.1	4:40	7:20	500.0	266.8
11:35	12:25	37.3	-500.0	8:05	3:55	500.0	-444.9	4:35	7:25	500.0	285.1
11:30	12:30	44.9	-500.0	8:00	4:00	500.0	-423.3	4:30	7:30	500.0	303.7
11:25	12:35	52.5	-500.0	7:55	4:05	500.0	-402.2	4:25	7:35	500.0	322.6
11:20	12:40	60.1	-500.0	7:50	4:10	500.0	-381.6	4:20	7:40	500.0	341.9
11:15	12:45	67.8	-500.0	7:45	4:15	500.0	-361.5	4:15	7:45	500.0	361.5
11:10	12:50	75.6	-500.0	7:40	4:20	500.0	-341.9				
11:05	12:55	83.4	-500.0	7:35	4:25	500.0	-322.6				
11:00	1:00	91.4	-500.0	7:30	4:30	500.0	-303.7				
10:55	1:05	99.4	-500.0	7:25	4:35	500.0	-285.1				
10:50	1:10	107.5	-500.0	7:20	4:40	500.0	-266.8				
10:45	1:15	115.8	-500.0	7:15	4:45	500.0	-248.9				
10:40	1:20	124.1	-500.0	7:10	4:50	500.0	-231.2				
10:35	1:25	132.6	-500.0	7:05	4:55	500.0	-213.7				
10:30	1:30	141.2	-500.0	7:00	5:00	500.0	-196.4				
10:25	1:35	150.0	-500.0	6:55	5:05	500.0	-179.4				
10:20	1:40	159.0	-500.0	6:50	5:10	500.0	-162.5				
10:15	1:45	168.2	-500.0	6:45	5:15	500.0	-145.8				
10:10	1:50	177.5	-500.0	6:40	5:20	500.0	-129.3				
10:05	1:55	187.1	-500.0	6:35	5:25	500.0	-112.8				
10:00	2:00	196.9	-500.0	6:30	5:30	500.0	-96.5				
9:55	2:05	206.9	-500.0	6:25	5:35	500.0	-80.3				
9:50	2:10	217.2	-500.0	6:20	5:40	500.0	-64.1				
9:45	2:15	227.8	-500.0	6:15	5:45	500.0	-48.1				
9:40	2:20	238.8	-500.0	6:10	5:50	500.0	-32.0				
9:35	2:25	250.0	-500.0	6:05	5:55	500.0	-16.0				
9:30	2:30	261.7	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	273.7	-500.0	5:55	6:05	500.0	16.0				
9:20	2:40	286.1	-500.0	5:50	6:10	500.0	32.0				
9:15	2:45	299.0	-500.0	5:45	6:15	500.0	48.1				
9:10	2:50	312.5	-500.0	5:40	6:20	500.0	64.1				
9:05	2:55	326.4	-500.0	5:35	6:25	500.0	80.3				
9:00	3:00	341.0	-500.0	5:30	6:30	500.0	96.5				
8:55	3:05	356.2	-500.0	5:25	6:35	500.0	112.8				
8:50	3:10	372.1	-500.0	5:20	6:40	500.0	129.3				
8:45	3:15	388.8	-500.0	5:15	6:45	500.0	145.8				
8:40	3:20	406.4	-500.0	5:10	6:50	500.0	162.5				
8:35	3:25	424.9	-500.0	5:05	6:55	500.0	179.4				
8:30	3:30	444.4	-500.0	5:00	7:00	500.0	196.4				

Horizontal Shadow Plane Sundial

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Earliest Sunrise: 4:19 a.m. Latest Sunset: 7:41 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	22.3	-1500.0	8:25	3:35	1395.2	-1500.0	4:55	7:05	1500.0	641.1
11:50	12:10	44.7	-1500.0	8:20	3:40	1461.0	-1500.0	4:50	7:10	1500.0	693.5
11:45	12:15	67.1	-1500.0	8:15	3:45	1500.0	-1469.6	4:45	7:15	1500.0	746.6
11:40	12:20	89.5	-1500.0	8:10	3:50	1500.0	-1401.2	4:40	7:20	1500.0	800.5
11:35	12:25	112.0	-1500.0	8:05	3:55	1500.0	-1334.6	4:35	7:25	1500.0	855.3
11:30	12:30	134.7	-1500.0	8:00	4:00	1500.0	-1269.8	4:30	7:30	1500.0	911.0
11:25	12:35	157.5	-1500.0	7:55	4:05	1500.0	-1206.6	4:25	7:35	1500.0	967.8
11:20	12:40	180.4	-1500.0	7:50	4:10	1500.0	-1144.9	4:20	7:40	1500.0	1025.6
11:15	12:45	203.5	-1500.0	7:45	4:15	1500.0	-1084.6	4:15	7:45	1500.0	1084.6
11:10	12:50	226.8	-1500.0	7:40	4:20	1500.0	-1025.6				
11:05	12:55	250.3	-1500.0	7:35	4:25	1500.0	-967.8				
11:00	1:00	274.1	-1500.0	7:30	4:30	1500.0	-911.0				
10:55	1:05	298.2	-1500.0	7:25	4:35	1500.0	-855.3				
10:50	1:10	322.5	-1500.0	7:20	4:40	1500.0	-800.5				
10:45	1:15	347.3	-1500.0	7:15	4:45	1500.0	-746.6				
10:40	1:20	372.3	-1500.0	7:10	4:50	1500.0	-693.5				
10:35	1:25	397.8	-1500.0	7:05	4:55	1500.0	-641.1				
10:30	1:30	423.7	-1500.0	7:00	5:00	1500.0	-589.3				
10:25	1:35	450.1	-1500.0	6:55	5:05	1500.0	-538.2				
10:20	1:40	477.0	-1500.0	6:50	5:10	1500.0	-487.6				
10:15	1:45	504.5	-1500.0	6:45	5:15	1500.0	-437.5				
10:10	1:50	532.5	-1500.0	6:40	5:20	1500.0	-387.8				
10:05	1:55	561.2	-1500.0	6:35	5:25	1500.0	-338.5				
10:00	2:00	590.6	-1500.0	6:30	5:30	1500.0	-289.6				
9:55	2:05	620.8	-1500.0	6:25	5:35	1500.0	-240.9				
9:50	2:10	651.7	-1500.0	6:20	5:40	1500.0	-192.4				
9:45	2:15	683.5	-1500.0	6:15	5:45	1500.0	-144.2				
9:40	2:20	716.3	-1500.0	6:10	5:50	1500.0	-96.0				
9:35	2:25	750.1	-1500.0	6:05	5:55	1500.0	-48.0				
9:30	2:30	785.0	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	821.0	-1500.0	5:55	6:05	1500.0	48.0				
9:20	2:40	858.4	-1500.0	5:50	6:10	1500.0	96.0				
9:15	2:45	897.1	-1500.0	5:45	6:15	1500.0	144.2				
9:10	2:50	937.4	-1500.0	5:40	6:20	1500.0	192.4				
9:05	2:55	979.3	-1500.0	5:35	6:25	1500.0	240.9				
9:00	3:00	1023.0	-1500.0	5:30	6:30	1500.0	289.6				
8:55	3:05	1068.6	-1500.0	5:25	6:35	1500.0	338.5				
8:50	3:10	1116.4	-1500.0	5:20	6:40	1500.0	387.8				
8:45	3:15	1166.5	-1500.0	5:15	6:45	1500.0	437.5				
8:40	3:20	1219.2	-1500.0	5:10	6:50	1500.0	487.6				
8:35	3:25	1274.6	-1500.0	5:05	6:55	1500.0	538.2				
8:30	3:30	1333.2	-1500.0	5:00	7:00	1500.0	589.3				