

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 49.5° N/S

Earliest Sunrise: 3:52 a.m. Latest Sunset: 8:08 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	8.3	-500.0	8:25	3:35	500.0	-482.1	4:55	7:05	500.0	191.7
11:50	12:10	16.6	-500.0	8:20	3:40	500.0	-460.4	4:50	7:10	500.0	207.3
11:45	12:15	24.9	-500.0	8:15	3:45	500.0	-439.4	4:45	7:15	500.0	223.2
11:40	12:20	33.3	-500.0	8:10	3:50	500.0	-418.9	4:40	7:20	500.0	239.3
11:35	12:25	41.6	-500.0	8:05	3:55	500.0	-399.0	4:35	7:25	500.0	255.7
11:30	12:30	50.1	-500.0	8:00	4:00	500.0	-379.6	4:30	7:30	500.0	272.4
11:25	12:35	58.5	-500.0	7:55	4:05	500.0	-360.7	4:25	7:35	500.0	289.3
11:20	12:40	67.0	-500.0	7:50	4:10	500.0	-342.3	4:20	7:40	500.0	306.6
11:15	12:45	75.6	-500.0	7:45	4:15	500.0	-324.3	4:15	7:45	500.0	324.3
11:10	12:50	84.3	-500.0	7:40	4:20	500.0	-306.6	4:10	7:50	500.0	342.3
11:05	12:55	93.0	-500.0	7:35	4:25	500.0	-289.3	4:05	7:55	500.0	360.7
11:00	1:00	101.9	-500.0	7:30	4:30	500.0	-272.4	4:00	8:00	500.0	379.6
10:55	1:05	110.8	-500.0	7:25	4:35	500.0	-255.7	3:55	8:05	500.0	399.0
10:50	1:10	119.9	-500.0	7:20	4:40	500.0	-239.3	3:50	8:10	500.0	418.9
10:45	1:15	129.1	-500.0	7:15	4:45	500.0	-223.2	3:45	8:15	500.0	439.4
10:40	1:20	138.4	-500.0	7:10	4:50	500.0	-207.3				
10:35	1:25	147.9	-500.0	7:05	4:55	500.0	-191.7				
10:30	1:30	157.5	-500.0	7:00	5:00	500.0	-176.2				
10:25	1:35	167.3	-500.0	6:55	5:05	500.0	-160.9				
10:20	1:40	177.3	-500.0	6:50	5:10	500.0	-145.8				
10:15	1:45	187.5	-500.0	6:45	5:15	500.0	-130.8				
10:10	1:50	197.9	-500.0	6:40	5:20	500.0	-115.9				
10:05	1:55	208.6	-500.0	6:35	5:25	500.0	-101.2				
10:00	2:00	219.5	-500.0	6:30	5:30	500.0	-86.6				
9:55	2:05	230.7	-500.0	6:25	5:35	500.0	-72.0				
9:50	2:10	242.2	-500.0	6:20	5:40	500.0	-57.5				
9:45	2:15	254.0	-500.0	6:15	5:45	500.0	-43.1				
9:40	2:20	266.2	-500.0	6:10	5:50	500.0	-28.7				
9:35	2:25	278.8	-500.0	6:05	5:55	500.0	-14.3				
9:30	2:30	291.7	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	305.1	-500.0	5:55	6:05	500.0	14.3				
9:20	2:40	319.0	-500.0	5:50	6:10	500.0	28.7				
9:15	2:45	333.4	-500.0	5:45	6:15	500.0	43.1				
9:10	2:50	348.4	-500.0	5:40	6:20	500.0	57.5				
9:05	2:55	364.0	-500.0	5:35	6:25	500.0	72.0				
9:00	3:00	380.2	-500.0	5:30	6:30	500.0	86.6				
8:55	3:05	397.2	-500.0	5:25	6:35	500.0	101.2				
8:50	3:10	414.9	-500.0	5:20	6:40	500.0	115.9				
8:45	3:15	433.5	-500.0	5:15	6:45	500.0	130.8				
8:40	3:20	453.1	-500.0	5:10	6:50	500.0	145.8				
8:35	3:25	473.7	-500.0	5:05	6:55	500.0	160.9				
8:30	3:30	495.5	-500.0	5:00	7:00	500.0	176.2				

Horizontal Shadow Plane Sundial

Latitude: 49.5° N/S

Earliest Sunrise: 3:52 a.m. Latest Sunset: 8:08 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	24.9	-1500.0	8:25	3:35	1500.0	-1446.4	4:55	7:05	1500.0	575.0
11:50	12:10	49.8	-1500.0	8:20	3:40	1500.0	-1381.3	4:50	7:10	1500.0	622.0
11:45	12:15	74.8	-1500.0	8:15	3:45	1500.0	-1318.1	4:45	7:15	1500.0	669.6
11:40	12:20	99.8	-1500.0	8:10	3:50	1500.0	-1256.7	4:40	7:20	1500.0	718.0
11:35	12:25	124.9	-1500.0	8:05	3:55	1500.0	-1197.0	4:35	7:25	1500.0	767.1
11:30	12:30	150.2	-1500.0	8:00	4:00	1500.0	-1138.9	4:30	7:30	1500.0	817.1
11:25	12:35	175.6	-1500.0	7:55	4:05	1500.0	-1082.2	4:25	7:35	1500.0	868.0
11:20	12:40	201.1	-1500.0	7:50	4:10	1500.0	-1026.9	4:20	7:40	1500.0	919.9
11:15	12:45	226.9	-1500.0	7:45	4:15	1500.0	-972.8	4:15	7:45	1500.0	972.8
11:10	12:50	252.9	-1500.0	7:40	4:20	1500.0	-919.9	4:10	7:50	1500.0	1026.9
11:05	12:55	279.1	-1500.0	7:35	4:25	1500.0	-868.0	4:05	7:55	1500.0	1082.2
11:00	1:00	305.6	-1500.0	7:30	4:30	1500.0	-817.1	4:00	8:00	1500.0	1138.9
10:55	1:05	332.5	-1500.0	7:25	4:35	1500.0	-767.1	3:55	8:05	1500.0	1197.0
10:50	1:10	359.6	-1500.0	7:20	4:40	1500.0	-718.0	3:50	8:10	1500.0	1256.7
10:45	1:15	387.2	-1500.0	7:15	4:45	1500.0	-669.6	3:45	8:15	1500.0	1318.1
10:40	1:20	415.1	-1500.0	7:10	4:50	1500.0	-622.0				
10:35	1:25	443.6	-1500.0	7:05	4:55	1500.0	-575.0				
10:30	1:30	472.5	-1500.0	7:00	5:00	1500.0	-528.6				
10:25	1:35	501.9	-1500.0	6:55	5:05	1500.0	-482.7				
10:20	1:40	531.9	-1500.0	6:50	5:10	1500.0	-437.3				
10:15	1:45	562.5	-1500.0	6:45	5:15	1500.0	-392.4				
10:10	1:50	593.8	-1500.0	6:40	5:20	1500.0	-347.8				
10:05	1:55	625.8	-1500.0	6:35	5:25	1500.0	-303.6				
10:00	2:00	658.5	-1500.0	6:30	5:30	1500.0	-259.7				
9:55	2:05	692.1	-1500.0	6:25	5:35	1500.0	-216.0				
9:50	2:10	726.6	-1500.0	6:20	5:40	1500.0	-172.6				
9:45	2:15	762.1	-1500.0	6:15	5:45	1500.0	-129.3				
9:40	2:20	798.7	-1500.0	6:10	5:50	1500.0	-86.1				
9:35	2:25	836.3	-1500.0	6:05	5:55	1500.0	-43.0				
9:30	2:30	875.2	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	915.4	-1500.0	5:55	6:05	1500.0	43.0				
9:20	2:40	957.1	-1500.0	5:50	6:10	1500.0	86.1				
9:15	2:45	1000.3	-1500.0	5:45	6:15	1500.0	129.3				
9:10	2:50	1045.2	-1500.0	5:40	6:20	1500.0	172.6				
9:05	2:55	1091.9	-1500.0	5:35	6:25	1500.0	216.0				
9:00	3:00	1140.6	-1500.0	5:30	6:30	1500.0	259.7				
8:55	3:05	1191.5	-1500.0	5:25	6:35	1500.0	303.6				
8:50	3:10	1244.8	-1500.0	5:20	6:40	1500.0	347.8				
8:45	3:15	1300.6	-1500.0	5:15	6:45	1500.0	392.4				
8:40	3:20	1359.3	-1500.0	5:10	6:50	1500.0	437.3				
8:35	3:25	1421.2	-1500.0	5:05	6:55	1500.0	482.7				
8:30	3:30	1486.5	-1500.0	5:00	7:00	1500.0	528.6				