

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 49.0° N/S

Earliest Sunrise: 3:54 a.m. Latest Sunset: 8:06 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	8.2	-500.0	8:25	3:35	500.0	-485.8	4:55	7:05	500.0	193.1
11:50	12:10	16.5	-500.0	8:20	3:40	500.0	-463.9	4:50	7:10	500.0	208.9
11:45	12:15	24.7	-500.0	8:15	3:45	500.0	-442.7	4:45	7:15	500.0	224.9
11:40	12:20	33.0	-500.0	8:10	3:50	500.0	-422.1	4:40	7:20	500.0	241.1
11:35	12:25	41.3	-500.0	8:05	3:55	500.0	-402.0	4:35	7:25	500.0	257.6
11:30	12:30	49.7	-500.0	8:00	4:00	500.0	-382.5	4:30	7:30	500.0	274.4
11:25	12:35	58.1	-500.0	7:55	4:05	500.0	-363.5	4:25	7:35	500.0	291.5
11:20	12:40	66.5	-500.0	7:50	4:10	500.0	-344.9	4:20	7:40	500.0	308.9
11:15	12:45	75.1	-500.0	7:45	4:15	500.0	-326.7	4:15	7:45	500.0	326.7
11:10	12:50	83.7	-500.0	7:40	4:20	500.0	-308.9	4:10	7:50	500.0	344.9
11:05	12:55	92.3	-500.0	7:35	4:25	500.0	-291.5	4:05	7:55	500.0	363.5
11:00	1:00	101.1	-500.0	7:30	4:30	500.0	-274.4	4:00	8:00	500.0	382.5
10:55	1:05	110.0	-500.0	7:25	4:35	500.0	-257.6	3:55	8:05	500.0	402.0
10:50	1:10	119.0	-500.0	7:20	4:40	500.0	-241.1	3:50	8:10	500.0	422.1
10:45	1:15	128.1	-500.0	7:15	4:45	500.0	-224.9	3:45	8:15	500.0	442.7
10:40	1:20	137.3	-500.0	7:10	4:50	500.0	-208.9				
10:35	1:25	146.7	-500.0	7:05	4:55	500.0	-193.1				
10:30	1:30	156.3	-500.0	7:00	5:00	500.0	-177.5				
10:25	1:35	166.0	-500.0	6:55	5:05	500.0	-162.1				
10:20	1:40	176.0	-500.0	6:50	5:10	500.0	-146.9				
10:15	1:45	186.1	-500.0	6:45	5:15	500.0	-131.8				
10:10	1:50	196.4	-500.0	6:40	5:20	500.0	-116.8				
10:05	1:55	207.0	-500.0	6:35	5:25	500.0	-102.0				
10:00	2:00	217.9	-500.0	6:30	5:30	500.0	-87.2				
9:55	2:05	229.0	-500.0	6:25	5:35	500.0	-72.6				
9:50	2:10	240.4	-500.0	6:20	5:40	500.0	-58.0				
9:45	2:15	252.1	-500.0	6:15	5:45	500.0	-43.4				
9:40	2:20	264.2	-500.0	6:10	5:50	500.0	-28.9				
9:35	2:25	276.7	-500.0	6:05	5:55	500.0	-14.5				
9:30	2:30	289.6	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	302.9	-500.0	5:55	6:05	500.0	14.5				
9:20	2:40	316.6	-500.0	5:50	6:10	500.0	28.9				
9:15	2:45	330.9	-500.0	5:45	6:15	500.0	43.4				
9:10	2:50	345.8	-500.0	5:40	6:20	500.0	58.0				
9:05	2:55	361.2	-500.0	5:35	6:25	500.0	72.6				
9:00	3:00	377.4	-500.0	5:30	6:30	500.0	87.2				
8:55	3:05	394.2	-500.0	5:25	6:35	500.0	102.0				
8:50	3:10	411.8	-500.0	5:20	6:40	500.0	116.8				
8:45	3:15	430.3	-500.0	5:15	6:45	500.0	131.8				
8:40	3:20	449.7	-500.0	5:10	6:50	500.0	146.9				
8:35	3:25	470.2	-500.0	5:05	6:55	500.0	162.1				
8:30	3:30	491.8	-500.0	5:00	7:00	500.0	177.5				

Horizontal Shadow Plane Sundial

Latitude: 49.0° N/S

Earliest Sunrise: 3:54 a.m. Latest Sunset: 8:06 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	24.7	-1500.0	8:25	3:35	1500.0	-1457.3	4:55	7:05	1500.0	579.3
11:50	12:10	49.4	-1500.0	8:20	3:40	1500.0	-1391.7	4:50	7:10	1500.0	626.7
11:45	12:15	74.2	-1500.0	8:15	3:45	1500.0	-1328.0	4:45	7:15	1500.0	674.7
11:40	12:20	99.0	-1500.0	8:10	3:50	1500.0	-1266.2	4:40	7:20	1500.0	723.4
11:35	12:25	124.0	-1500.0	8:05	3:55	1500.0	-1206.1	4:35	7:25	1500.0	772.9
11:30	12:30	149.0	-1500.0	8:00	4:00	1500.0	-1147.5	4:30	7:30	1500.0	823.3
11:25	12:35	174.2	-1500.0	7:55	4:05	1500.0	-1090.4	4:25	7:35	1500.0	874.5
11:20	12:40	199.6	-1500.0	7:50	4:10	1500.0	-1034.6	4:20	7:40	1500.0	926.8
11:15	12:45	225.2	-1500.0	7:45	4:15	1500.0	-980.1	4:15	7:45	1500.0	980.1
11:10	12:50	251.0	-1500.0	7:40	4:20	1500.0	-926.8	4:10	7:50	1500.0	1034.6
11:05	12:55	277.0	-1500.0	7:35	4:25	1500.0	-874.5	4:05	7:55	1500.0	1090.4
11:00	1:00	303.3	-1500.0	7:30	4:30	1500.0	-823.3	4:00	8:00	1500.0	1147.5
10:55	1:05	330.0	-1500.0	7:25	4:35	1500.0	-772.9	3:55	8:05	1500.0	1206.1
10:50	1:10	356.9	-1500.0	7:20	4:40	1500.0	-723.4	3:50	8:10	1500.0	1266.2
10:45	1:15	384.3	-1500.0	7:15	4:45	1500.0	-674.7	3:45	8:15	1500.0	1328.0
10:40	1:20	412.0	-1500.0	7:10	4:50	1500.0	-626.7				
10:35	1:25	440.2	-1500.0	7:05	4:55	1500.0	-579.3				
10:30	1:30	468.9	-1500.0	7:00	5:00	1500.0	-532.6				
10:25	1:35	498.1	-1500.0	6:55	5:05	1500.0	-486.3				
10:20	1:40	527.9	-1500.0	6:50	5:10	1500.0	-440.6				
10:15	1:45	558.3	-1500.0	6:45	5:15	1500.0	-395.3				
10:10	1:50	589.3	-1500.0	6:40	5:20	1500.0	-350.5				
10:05	1:55	621.1	-1500.0	6:35	5:25	1500.0	-305.9				
10:00	2:00	653.6	-1500.0	6:30	5:30	1500.0	-261.7				
9:55	2:05	687.0	-1500.0	6:25	5:35	1500.0	-217.7				
9:50	2:10	721.2	-1500.0	6:20	5:40	1500.0	-173.9				
9:45	2:15	756.4	-1500.0	6:15	5:45	1500.0	-130.3				
9:40	2:20	792.7	-1500.0	6:10	5:50	1500.0	-86.8				
9:35	2:25	830.1	-1500.0	6:05	5:55	1500.0	-43.4				
9:30	2:30	868.7	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	908.6	-1500.0	5:55	6:05	1500.0	43.4				
9:20	2:40	949.9	-1500.0	5:50	6:10	1500.0	86.8				
9:15	2:45	992.8	-1500.0	5:45	6:15	1500.0	130.3				
9:10	2:50	1037.3	-1500.0	5:40	6:20	1500.0	173.9				
9:05	2:55	1083.7	-1500.0	5:35	6:25	1500.0	217.7				
9:00	3:00	1132.1	-1500.0	5:30	6:30	1500.0	261.7				
8:55	3:05	1182.6	-1500.0	5:25	6:35	1500.0	305.9				
8:50	3:10	1235.4	-1500.0	5:20	6:40	1500.0	350.5				
8:45	3:15	1290.9	-1500.0	5:15	6:45	1500.0	395.3				
8:40	3:20	1349.1	-1500.0	5:10	6:50	1500.0	440.6				
8:35	3:25	1410.5	-1500.0	5:05	6:55	1500.0	486.3				
8:30	3:30	1475.3	-1500.0	5:00	7:00	1500.0	532.6				