

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 41.0° N/S

Earliest Sunrise: 4:26 a.m. Latest Sunset: 7:34 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	7.2	-500.0	8:25	3:35	447.4	-500.0	4:55	7:05	500.0	222.1
11:50	12:10	14.3	-500.0	8:20	3:40	468.5	-500.0	4:50	7:10	500.0	240.3
11:45	12:15	21.5	-500.0	8:15	3:45	490.9	-500.0	4:45	7:15	500.0	258.7
11:40	12:20	28.7	-500.0	8:10	3:50	500.0	-485.5	4:40	7:20	500.0	277.4
11:35	12:25	35.9	-500.0	8:05	3:55	500.0	-462.5	4:35	7:25	500.0	296.4
11:30	12:30	43.2	-500.0	8:00	4:00	500.0	-440.0	4:30	7:30	500.0	315.7
11:25	12:35	50.5	-500.0	7:55	4:05	500.0	-418.1	4:25	7:35	500.0	335.3
11:20	12:40	57.8	-500.0	7:50	4:10	500.0	-396.7	4:20	7:40	500.0	355.4
11:15	12:45	65.2	-500.0	7:45	4:15	500.0	-375.8	4:15	7:45	500.0	375.8
11:10	12:50	72.7	-500.0	7:40	4:20	500.0	-355.4				
11:05	12:55	80.3	-500.0	7:35	4:25	500.0	-335.3				
11:00	1:00	87.9	-500.0	7:30	4:30	500.0	-315.7				
10:55	1:05	95.6	-500.0	7:25	4:35	500.0	-296.4				
10:50	1:10	103.4	-500.0	7:20	4:40	500.0	-277.4				
10:45	1:15	111.4	-500.0	7:15	4:45	500.0	-258.7				
10:40	1:20	119.4	-500.0	7:10	4:50	500.0	-240.3				
10:35	1:25	127.6	-500.0	7:05	4:55	500.0	-222.1				
10:30	1:30	135.9	-500.0	7:00	5:00	500.0	-204.2				
10:25	1:35	144.3	-500.0	6:55	5:05	500.0	-186.5				
10:20	1:40	153.0	-500.0	6:50	5:10	500.0	-169.0				
10:15	1:45	161.8	-500.0	6:45	5:15	500.0	-151.6				
10:10	1:50	170.8	-500.0	6:40	5:20	500.0	-134.4				
10:05	1:55	180.0	-500.0	6:35	5:25	500.0	-117.3				
10:00	2:00	189.4	-500.0	6:30	5:30	500.0	-100.3				
9:55	2:05	199.1	-500.0	6:25	5:35	500.0	-83.5				
9:50	2:10	209.0	-500.0	6:20	5:40	500.0	-66.7				
9:45	2:15	219.2	-500.0	6:15	5:45	500.0	-50.0				
9:40	2:20	229.7	-500.0	6:10	5:50	500.0	-33.3				
9:35	2:25	240.5	-500.0	6:05	5:55	500.0	-16.6				
9:30	2:30	251.7	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	263.3	-500.0	5:55	6:05	500.0	16.6				
9:20	2:40	275.2	-500.0	5:50	6:10	500.0	33.3				
9:15	2:45	287.7	-500.0	5:45	6:15	500.0	50.0				
9:10	2:50	300.6	-500.0	5:40	6:20	500.0	66.7				
9:05	2:55	314.0	-500.0	5:35	6:25	500.0	83.5				
9:00	3:00	328.0	-500.0	5:30	6:30	500.0	100.3				
8:55	3:05	342.7	-500.0	5:25	6:35	500.0	117.3				
8:50	3:10	358.0	-500.0	5:20	6:40	500.0	134.4				
8:45	3:15	374.0	-500.0	5:15	6:45	500.0	151.6				
8:40	3:20	390.9	-500.0	5:10	6:50	500.0	169.0				
8:35	3:25	408.7	-500.0	5:05	6:55	500.0	186.5				
8:30	3:30	427.5	-500.0	5:00	7:00	500.0	204.2				

Horizontal Shadow Plane Sundial

Latitude: 41.0° N/S

Earliest Sunrise: 4:26 a.m. Latest Sunset: 7:34 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	21.5	-1500.0	8:25	3:35	1342.1	-1500.0	4:55	7:05	1500.0	666.4
11:50	12:10	43.0	-1500.0	8:20	3:40	1405.4	-1500.0	4:50	7:10	1500.0	720.9
11:45	12:15	64.5	-1500.0	8:15	3:45	1472.8	-1500.0	4:45	7:15	1500.0	776.1
11:40	12:20	86.1	-1500.0	8:10	3:50	1500.0	-1456.6	4:40	7:20	1500.0	832.2
11:35	12:25	107.8	-1500.0	8:05	3:55	1500.0	-1387.4	4:35	7:25	1500.0	889.1
11:30	12:30	129.6	-1500.0	8:00	4:00	1500.0	-1320.0	4:30	7:30	1500.0	947.0
11:25	12:35	151.5	-1500.0	7:55	4:05	1500.0	-1254.4	4:25	7:35	1500.0	1006.0
11:20	12:40	173.5	-1500.0	7:50	4:10	1500.0	-1190.2	4:20	7:40	1500.0	1066.2
11:15	12:45	195.7	-1500.0	7:45	4:15	1500.0	-1127.5	4:15	7:45	1500.0	1127.5
11:10	12:50	218.2	-1500.0	7:40	4:20	1500.0	-1066.2				
11:05	12:55	240.8	-1500.0	7:35	4:25	1500.0	-1006.0				
11:00	1:00	263.7	-1500.0	7:30	4:30	1500.0	-947.0				
10:55	1:05	286.8	-1500.0	7:25	4:35	1500.0	-889.1				
10:50	1:10	310.3	-1500.0	7:20	4:40	1500.0	-832.2				
10:45	1:15	334.1	-1500.0	7:15	4:45	1500.0	-776.1				
10:40	1:20	358.2	-1500.0	7:10	4:50	1500.0	-720.9				
10:35	1:25	382.7	-1500.0	7:05	4:55	1500.0	-666.4				
10:30	1:30	407.6	-1500.0	7:00	5:00	1500.0	-612.6				
10:25	1:35	433.0	-1500.0	6:55	5:05	1500.0	-559.5				
10:20	1:40	458.9	-1500.0	6:50	5:10	1500.0	-506.9				
10:15	1:45	485.3	-1500.0	6:45	5:15	1500.0	-454.8				
10:10	1:50	512.3	-1500.0	6:40	5:20	1500.0	-403.2				
10:05	1:55	539.9	-1500.0	6:35	5:25	1500.0	-351.9				
10:00	2:00	568.2	-1500.0	6:30	5:30	1500.0	-301.0				
9:55	2:05	597.2	-1500.0	6:25	5:35	1500.0	-250.4				
9:50	2:10	626.9	-1500.0	6:20	5:40	1500.0	-200.0				
9:45	2:15	657.5	-1500.0	6:15	5:45	1500.0	-149.9				
9:40	2:20	689.1	-1500.0	6:10	5:50	1500.0	-99.8				
9:35	2:25	721.6	-1500.0	6:05	5:55	1500.0	-49.9				
9:30	2:30	755.1	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	789.8	-1500.0	5:55	6:05	1500.0	49.9				
9:20	2:40	825.7	-1500.0	5:50	6:10	1500.0	99.8				
9:15	2:45	863.0	-1500.0	5:45	6:15	1500.0	149.9				
9:10	2:50	901.8	-1500.0	5:40	6:20	1500.0	200.0				
9:05	2:55	942.1	-1500.0	5:35	6:25	1500.0	250.4				
9:00	3:00	984.1	-1500.0	5:30	6:30	1500.0	301.0				
8:55	3:05	1028.0	-1500.0	5:25	6:35	1500.0	351.9				
8:50	3:10	1073.9	-1500.0	5:20	6:40	1500.0	403.2				
8:45	3:15	1122.1	-1500.0	5:15	6:45	1500.0	454.8				
8:40	3:20	1172.8	-1500.0	5:10	6:50	1500.0	506.9				
8:35	3:25	1226.1	-1500.0	5:05	6:55	1500.0	559.5				
8:30	3:30	1282.5	-1500.0	5:00	7:00	1500.0	612.6				