

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 45.5° N/S

Earliest Sunrise: 4:09 a.m. Latest Sunset: 7:51 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	7.8	-500.0	8:25	3:35	486.4	-500.0	4:55	7:05	500.0	204.3
11:50	12:10	15.6	-500.0	8:20	3:40	500.0	-490.9	4:50	7:10	500.0	221.0
11:45	12:15	23.4	-500.0	8:15	3:45	500.0	-468.4	4:45	7:15	500.0	238.0
11:40	12:20	31.2	-500.0	8:10	3:50	500.0	-446.6	4:40	7:20	500.0	255.1
11:35	12:25	39.1	-500.0	8:05	3:55	500.0	-425.4	4:35	7:25	500.0	272.6
11:30	12:30	47.0	-500.0	8:00	4:00	500.0	-404.7	4:30	7:30	500.0	290.4
11:25	12:35	54.9	-500.0	7:55	4:05	500.0	-384.6	4:25	7:35	500.0	308.5
11:20	12:40	62.9	-500.0	7:50	4:10	500.0	-364.9	4:20	7:40	500.0	326.9
11:15	12:45	70.9	-500.0	7:45	4:15	500.0	-345.7	4:15	7:45	500.0	345.7
11:10	12:50	79.1	-500.0	7:40	4:20	500.0	-326.9	4:10	7:50	500.0	364.9
11:05	12:55	87.3	-500.0	7:35	4:25	500.0	-308.5	4:05	7:55	500.0	384.6
11:00	1:00	95.6	-500.0	7:30	4:30	500.0	-290.4	4:00	8:00	500.0	404.7
10:55	1:05	103.9	-500.0	7:25	4:35	500.0	-272.6				
10:50	1:10	112.4	-500.0	7:20	4:40	500.0	-255.1				
10:45	1:15	121.1	-500.0	7:15	4:45	500.0	-238.0				
10:40	1:20	129.8	-500.0	7:10	4:50	500.0	-221.0				
10:35	1:25	138.7	-500.0	7:05	4:55	500.0	-204.3				
10:30	1:30	147.7	-500.0	7:00	5:00	500.0	-187.8				
10:25	1:35	156.9	-500.0	6:55	5:05	500.0	-171.5				
10:20	1:40	166.3	-500.0	6:50	5:10	500.0	-155.4				
10:15	1:45	175.9	-500.0	6:45	5:15	500.0	-139.4				
10:10	1:50	185.6	-500.0	6:40	5:20	500.0	-123.6				
10:05	1:55	195.7	-500.0	6:35	5:25	500.0	-107.9				
10:00	2:00	205.9	-500.0	6:30	5:30	500.0	-92.3				
9:55	2:05	216.4	-500.0	6:25	5:35	500.0	-76.8				
9:50	2:10	227.2	-500.0	6:20	5:40	500.0	-61.3				
9:45	2:15	238.3	-500.0	6:15	5:45	500.0	-45.9				
9:40	2:20	249.7	-500.0	6:10	5:50	500.0	-30.6				
9:35	2:25	261.5	-500.0	6:05	5:55	500.0	-15.3				
9:30	2:30	273.6	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	286.2	-500.0	5:55	6:05	500.0	15.3				
9:20	2:40	299.2	-500.0	5:50	6:10	500.0	30.6				
9:15	2:45	312.8	-500.0	5:45	6:15	500.0	45.9				
9:10	2:50	326.8	-500.0	5:40	6:20	500.0	61.3				
9:05	2:55	341.4	-500.0	5:35	6:25	500.0	76.8				
9:00	3:00	356.6	-500.0	5:30	6:30	500.0	92.3				
8:55	3:05	372.5	-500.0	5:25	6:35	500.0	107.9				
8:50	3:10	389.2	-500.0	5:20	6:40	500.0	123.6				
8:45	3:15	406.7	-500.0	5:15	6:45	500.0	139.4				
8:40	3:20	425.0	-500.0	5:10	6:50	500.0	155.4				
8:35	3:25	444.3	-500.0	5:05	6:55	500.0	171.5				
8:30	3:30	464.8	-500.0	5:00	7:00	500.0	187.8				

Horizontal Shadow Plane Sundial

Latitude: 45.5° N/S

Earliest Sunrise: 4:09 a.m. Latest Sunset: 7:51 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	23.3	-1500.0	8:25	3:35	1459.1	-1500.0	4:55	7:05	1500.0	613.0
11:50	12:10	46.7	-1500.0	8:20	3:40	1500.0	-1472.6	4:50	7:10	1500.0	663.1
11:45	12:15	70.1	-1500.0	8:15	3:45	1500.0	-1405.2	4:45	7:15	1500.0	713.9
11:40	12:20	93.6	-1500.0	8:10	3:50	1500.0	-1339.8	4:40	7:20	1500.0	765.4
11:35	12:25	117.2	-1500.0	8:05	3:55	1500.0	-1276.2	4:35	7:25	1500.0	817.8
11:30	12:30	140.9	-1500.0	8:00	4:00	1500.0	-1214.2	4:30	7:30	1500.0	871.1
11:25	12:35	164.7	-1500.0	7:55	4:05	1500.0	-1153.8	4:25	7:35	1500.0	925.4
11:20	12:40	188.6	-1500.0	7:50	4:10	1500.0	-1094.8	4:20	7:40	1500.0	980.7
11:15	12:45	212.8	-1500.0	7:45	4:15	1500.0	-1037.1	4:15	7:45	1500.0	1037.1
11:10	12:50	237.2	-1500.0	7:40	4:20	1500.0	-980.7	4:10	7:50	1500.0	1094.8
11:05	12:55	261.8	-1500.0	7:35	4:25	1500.0	-925.4	4:05	7:55	1500.0	1153.8
11:00	1:00	286.7	-1500.0	7:30	4:30	1500.0	-871.1	4:00	8:00	1500.0	1214.2
10:55	1:05	311.8	-1500.0	7:25	4:35	1500.0	-817.8				
10:50	1:10	337.3	-1500.0	7:20	4:40	1500.0	-765.4				
10:45	1:15	363.2	-1500.0	7:15	4:45	1500.0	-713.9				
10:40	1:20	389.4	-1500.0	7:10	4:50	1500.0	-663.1				
10:35	1:25	416.1	-1500.0	7:05	4:55	1500.0	-613.0				
10:30	1:30	443.2	-1500.0	7:00	5:00	1500.0	-563.5				
10:25	1:35	470.8	-1500.0	6:55	5:05	1500.0	-514.6				
10:20	1:40	498.9	-1500.0	6:50	5:10	1500.0	-466.2				
10:15	1:45	527.6	-1500.0	6:45	5:15	1500.0	-418.3				
10:10	1:50	556.9	-1500.0	6:40	5:20	1500.0	-370.8				
10:05	1:55	587.0	-1500.0	6:35	5:25	1500.0	-323.7				
10:00	2:00	617.7	-1500.0	6:30	5:30	1500.0	-276.9				
9:55	2:05	649.2	-1500.0	6:25	5:35	1500.0	-230.3				
9:50	2:10	681.6	-1500.0	6:20	5:40	1500.0	-184.0				
9:45	2:15	714.9	-1500.0	6:15	5:45	1500.0	-137.8				
9:40	2:20	749.1	-1500.0	6:10	5:50	1500.0	-91.8				
9:35	2:25	784.5	-1500.0	6:05	5:55	1500.0	-45.9				
9:30	2:30	820.9	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	858.7	-1500.0	5:55	6:05	1500.0	45.9				
9:20	2:40	897.7	-1500.0	5:50	6:10	1500.0	91.8				
9:15	2:45	938.3	-1500.0	5:45	6:15	1500.0	137.8				
9:10	2:50	980.4	-1500.0	5:40	6:20	1500.0	184.0				
9:05	2:55	1024.2	-1500.0	5:35	6:25	1500.0	230.3				
9:00	3:00	1069.9	-1500.0	5:30	6:30	1500.0	276.9				
8:55	3:05	1117.6	-1500.0	5:25	6:35	1500.0	323.7				
8:50	3:10	1167.6	-1500.0	5:20	6:40	1500.0	370.8				
8:45	3:15	1220.0	-1500.0	5:15	6:45	1500.0	418.3				
8:40	3:20	1275.0	-1500.0	5:10	6:50	1500.0	466.2				
8:35	3:25	1333.0	-1500.0	5:05	6:55	1500.0	514.6				
8:30	3:30	1394.3	-1500.0	5:00	7:00	1500.0	563.5				