

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 38.5° N/S

Earliest Sunrise: 4:34 a.m. Latest Sunset: 7:26 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	6.8	-500.0	8:25	3:35	424.5	-500.0	4:55	7:05	500.0	234.1
11:50	12:10	13.6	-500.0	8:20	3:40	444.5	-500.0	4:50	7:10	500.0	253.2
11:45	12:15	20.4	-500.0	8:15	3:45	465.8	-500.0	4:45	7:15	500.0	272.6
11:40	12:20	27.2	-500.0	8:10	3:50	488.6	-500.0	4:40	7:20	500.0	292.3
11:35	12:25	34.1	-500.0	8:05	3:55	500.0	-487.4	4:35	7:25	500.0	312.3
11:30	12:30	41.0	-500.0	8:00	4:00	500.0	-463.7	4:30	7:30	500.0	332.7
11:25	12:35	47.9	-500.0	7:55	4:05	500.0	-440.6				
11:20	12:40	54.9	-500.0	7:50	4:10	500.0	-418.1				
11:15	12:45	61.9	-500.0	7:45	4:15	500.0	-396.1				
11:10	12:50	69.0	-500.0	7:40	4:20	500.0	-374.5				
11:05	12:55	76.2	-500.0	7:35	4:25	500.0	-353.4				
11:00	1:00	83.4	-500.0	7:30	4:30	500.0	-332.7				
10:55	1:05	90.7	-500.0	7:25	4:35	500.0	-312.3				
10:50	1:10	98.1	-500.0	7:20	4:40	500.0	-292.3				
10:45	1:15	105.7	-500.0	7:15	4:45	500.0	-272.6				
10:40	1:20	113.3	-500.0	7:10	4:50	500.0	-253.2				
10:35	1:25	121.0	-500.0	7:05	4:55	500.0	-234.1				
10:30	1:30	128.9	-500.0	7:00	5:00	500.0	-215.2				
10:25	1:35	137.0	-500.0	6:55	5:05	500.0	-196.5				
10:20	1:40	145.1	-500.0	6:50	5:10	500.0	-178.1				
10:15	1:45	153.5	-500.0	6:45	5:15	500.0	-159.8				
10:10	1:50	162.0	-500.0	6:40	5:20	500.0	-141.6				
10:05	1:55	170.8	-500.0	6:35	5:25	500.0	-123.6				
10:00	2:00	179.7	-500.0	6:30	5:30	500.0	-105.7				
9:55	2:05	188.9	-500.0	6:25	5:35	500.0	-88.0				
9:50	2:10	198.3	-500.0	6:20	5:40	500.0	-70.3				
9:45	2:15	208.0	-500.0	6:15	5:45	500.0	-52.6				
9:40	2:20	217.9	-500.0	6:10	5:50	500.0	-35.1				
9:35	2:25	228.2	-500.0	6:05	5:55	500.0	-17.5				
9:30	2:30	238.8	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	249.8	-500.0	5:55	6:05	500.0	17.5				
9:20	2:40	261.2	-500.0	5:50	6:10	500.0	35.1				
9:15	2:45	273.0	-500.0	5:45	6:15	500.0	52.6				
9:10	2:50	285.2	-500.0	5:40	6:20	500.0	70.3				
9:05	2:55	298.0	-500.0	5:35	6:25	500.0	88.0				
9:00	3:00	311.3	-500.0	5:30	6:30	500.0	105.7				
8:55	3:05	325.1	-500.0	5:25	6:35	500.0	123.6				
8:50	3:10	339.7	-500.0	5:20	6:40	500.0	141.6				
8:45	3:15	354.9	-500.0	5:15	6:45	500.0	159.8				
8:40	3:20	370.9	-500.0	5:10	6:50	500.0	178.1				
8:35	3:25	387.8	-500.0	5:05	6:55	500.0	196.5				
8:30	3:30	405.6	-500.0	5:00	7:00	500.0	215.2				

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Latitude: 38.5° N/S

Earliest Sunrise: 4:34 a.m. Latest Sunset: 7:26 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	20.4	-1500.0	8:25	3:35	1273.5	-1500.0	4:55	7:05	1500.0	702.3
11:50	12:10	40.8	-1500.0	8:20	3:40	1333.6	-1500.0	4:50	7:10	1500.0	759.7
11:45	12:15	61.2	-1500.0	8:15	3:45	1397.5	-1500.0	4:45	7:15	1500.0	817.9
11:40	12:20	81.7	-1500.0	8:10	3:50	1465.7	-1500.0	4:40	7:20	1500.0	877.0
11:35	12:25	102.3	-1500.0	8:05	3:55	1500.0	-1462.2	4:35	7:25	1500.0	937.0
11:30	12:30	122.9	-1500.0	8:00	4:00	1500.0	-1391.2	4:30	7:30	1500.0	998.1
11:25	12:35	143.7	-1500.0	7:55	4:05	1500.0	-1321.9				
11:20	12:40	164.6	-1500.0	7:50	4:10	1500.0	-1254.3				
11:15	12:45	185.7	-1500.0	7:45	4:15	1500.0	-1188.3				
11:10	12:50	207.0	-1500.0	7:40	4:20	1500.0	-1123.6				
11:05	12:55	228.5	-1500.0	7:35	4:25	1500.0	-1060.2				
11:00	1:00	250.2	-1500.0	7:30	4:30	1500.0	-998.1				
10:55	1:05	272.2	-1500.0	7:25	4:35	1500.0	-937.0				
10:50	1:10	294.4	-1500.0	7:20	4:40	1500.0	-877.0				
10:45	1:15	317.0	-1500.0	7:15	4:45	1500.0	-817.9				
10:40	1:20	339.9	-1500.0	7:10	4:50	1500.0	-759.7				
10:35	1:25	363.1	-1500.0	7:05	4:55	1500.0	-702.3				
10:30	1:30	386.8	-1500.0	7:00	5:00	1500.0	-645.6				
10:25	1:35	410.9	-1500.0	6:55	5:05	1500.0	-589.6				
10:20	1:40	435.4	-1500.0	6:50	5:10	1500.0	-534.2				
10:15	1:45	460.5	-1500.0	6:45	5:15	1500.0	-479.3				
10:10	1:50	486.1	-1500.0	6:40	5:20	1500.0	-424.9				
10:05	1:55	512.3	-1500.0	6:35	5:25	1500.0	-370.9				
10:00	2:00	539.1	-1500.0	6:30	5:30	1500.0	-317.2				
9:55	2:05	566.6	-1500.0	6:25	5:35	1500.0	-263.9				
9:50	2:10	594.9	-1500.0	6:20	5:40	1500.0	-210.8				
9:45	2:15	623.9	-1500.0	6:15	5:45	1500.0	-157.9				
9:40	2:20	653.8	-1500.0	6:10	5:50	1500.0	-105.2				
9:35	2:25	684.7	-1500.0	6:05	5:55	1500.0	-52.6				
9:30	2:30	716.5	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	749.4	-1500.0	5:55	6:05	1500.0	52.6				
9:20	2:40	783.5	-1500.0	5:50	6:10	1500.0	105.2				
9:15	2:45	818.9	-1500.0	5:45	6:15	1500.0	157.9				
9:10	2:50	855.6	-1500.0	5:40	6:20	1500.0	210.8				
9:05	2:55	893.9	-1500.0	5:35	6:25	1500.0	263.9				
9:00	3:00	933.8	-1500.0	5:30	6:30	1500.0	317.2				
8:55	3:05	975.4	-1500.0	5:25	6:35	1500.0	370.9				
8:50	3:10	1019.0	-1500.0	5:20	6:40	1500.0	424.9				
8:45	3:15	1064.8	-1500.0	5:15	6:45	1500.0	479.3				
8:40	3:20	1112.8	-1500.0	5:10	6:50	1500.0	534.2				
8:35	3:25	1163.5	-1500.0	5:05	6:55	1500.0	589.6				
8:30	3:30	1216.9	-1500.0	5:00	7:00	1500.0	645.6				