

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 33.5° N/S

Earliest Sunrise: 4:48 a.m. Latest Sunset: 7:12 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	6.0	-500.0	8:25	3:35	376.4	-500.0	4:55	7:05	500.0	264.0
11:50	12:10	12.0	-500.0	8:20	3:40	394.1	-500.0	4:50	7:10	500.0	285.6
11:45	12:15	18.1	-500.0	8:15	3:45	413.0	-500.0	4:45	7:15	500.0	307.5
11:40	12:20	24.1	-500.0	8:10	3:50	433.2	-500.0				
11:35	12:25	30.2	-500.0	8:05	3:55	454.8	-500.0				
11:30	12:30	36.3	-500.0	8:00	4:00	478.0	-500.0				
11:25	12:35	42.5	-500.0	7:55	4:05	500.0	-497.0				
11:20	12:40	48.7	-500.0	7:50	4:10	500.0	-471.6				
11:15	12:45	54.9	-500.0	7:45	4:15	500.0	-446.7				
11:10	12:50	61.2	-500.0	7:40	4:20	500.0	-422.4				
11:05	12:55	67.5	-500.0	7:35	4:25	500.0	-398.6				
11:00	1:00	73.9	-500.0	7:30	4:30	500.0	-375.2				
10:55	1:05	80.4	-500.0	7:25	4:35	500.0	-352.3				
10:50	1:10	87.0	-500.0	7:20	4:40	500.0	-329.7				
10:45	1:15	93.7	-500.0	7:15	4:45	500.0	-307.5				
10:40	1:20	100.4	-500.0	7:10	4:50	500.0	-285.6				
10:35	1:25	107.3	-500.0	7:05	4:55	500.0	-264.0				
10:30	1:30	114.3	-500.0	7:00	5:00	500.0	-242.7				
10:25	1:35	121.4	-500.0	6:55	5:05	500.0	-221.7				
10:20	1:40	128.7	-500.0	6:50	5:10	500.0	-200.8				
10:15	1:45	136.1	-500.0	6:45	5:15	500.0	-180.2				
10:10	1:50	143.7	-500.0	6:40	5:20	500.0	-159.7				
10:05	1:55	151.4	-500.0	6:35	5:25	500.0	-139.4				
10:00	2:00	159.3	-500.0	6:30	5:30	500.0	-119.3				
9:55	2:05	167.5	-500.0	6:25	5:35	500.0	-99.2				
9:50	2:10	175.8	-500.0	6:20	5:40	500.0	-79.3				
9:45	2:15	184.4	-500.0	6:15	5:45	500.0	-59.4				
9:40	2:20	193.2	-500.0	6:10	5:50	500.0	-39.6				
9:35	2:25	202.3	-500.0	6:05	5:55	500.0	-19.8				
9:30	2:30	211.8	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	221.5	-500.0	5:55	6:05	500.0	19.8				
9:20	2:40	231.6	-500.0	5:50	6:10	500.0	39.6				
9:15	2:45	242.0	-500.0	5:45	6:15	500.0	59.4				
9:10	2:50	252.9	-500.0	5:40	6:20	500.0	79.3				
9:05	2:55	264.2	-500.0	5:35	6:25	500.0	99.2				
9:00	3:00	276.0	-500.0	5:30	6:30	500.0	119.3				
8:55	3:05	288.3	-500.0	5:25	6:35	500.0	139.4				
8:50	3:10	301.2	-500.0	5:20	6:40	500.0	159.7				
8:45	3:15	314.7	-500.0	5:15	6:45	500.0	180.2				
8:40	3:20	328.9	-500.0	5:10	6:50	500.0	200.8				
8:35	3:25	343.8	-500.0	5:05	6:55	500.0	221.7				
8:30	3:30	359.6	-500.0	5:00	7:00	500.0	242.7				

Horizontal Shadow Plane Sundial

Latitude: 33.5° N/S

Earliest Sunrise: 4:48 a.m. Latest Sunset: 7:12 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	18.1	-1500.0	8:25	3:35	1129.1	-1500.0	4:55	7:05	1500.0	792.1
11:50	12:10	36.1	-1500.0	8:20	3:40	1182.4	-1500.0	4:50	7:10	1500.0	856.9
11:45	12:15	54.3	-1500.0	8:15	3:45	1239.0	-1500.0	4:45	7:15	1500.0	922.5
11:40	12:20	72.4	-1500.0	8:10	3:50	1299.6	-1500.0				
11:35	12:25	90.7	-1500.0	8:05	3:55	1364.3	-1500.0				
11:30	12:30	109.0	-1500.0	8:00	4:00	1434.0	-1500.0				
11:25	12:35	127.4	-1500.0	7:55	4:05	1500.0	-1491.0				
11:20	12:40	146.0	-1500.0	7:50	4:10	1500.0	-1414.7				
11:15	12:45	164.7	-1500.0	7:45	4:15	1500.0	-1340.2				
11:10	12:50	183.5	-1500.0	7:40	4:20	1500.0	-1267.3				
11:05	12:55	202.6	-1500.0	7:35	4:25	1500.0	-1195.8				
11:00	1:00	221.8	-1500.0	7:30	4:30	1500.0	-1125.7				
10:55	1:05	241.3	-1500.0	7:25	4:35	1500.0	-1056.9				
10:50	1:10	261.0	-1500.0	7:20	4:40	1500.0	-989.2				
10:45	1:15	281.0	-1500.0	7:15	4:45	1500.0	-922.5				
10:40	1:20	301.3	-1500.0	7:10	4:50	1500.0	-856.9				
10:35	1:25	322.0	-1500.0	7:05	4:55	1500.0	-792.1				
10:30	1:30	342.9	-1500.0	7:00	5:00	1500.0	-728.2				
10:25	1:35	364.3	-1500.0	6:55	5:05	1500.0	-665.0				
10:20	1:40	386.1	-1500.0	6:50	5:10	1500.0	-602.5				
10:15	1:45	408.3	-1500.0	6:45	5:15	1500.0	-540.6				
10:10	1:50	431.0	-1500.0	6:40	5:20	1500.0	-479.2				
10:05	1:55	454.2	-1500.0	6:35	5:25	1500.0	-418.3				
10:00	2:00	478.0	-1500.0	6:30	5:30	1500.0	-357.8				
9:55	2:05	502.4	-1500.0	6:25	5:35	1500.0	-297.6				
9:50	2:10	527.4	-1500.0	6:20	5:40	1500.0	-237.8				
9:45	2:15	553.2	-1500.0	6:15	5:45	1500.0	-178.1				
9:40	2:20	579.7	-1500.0	6:10	5:50	1500.0	-118.7				
9:35	2:25	607.0	-1500.0	6:05	5:55	1500.0	-59.3				
9:30	2:30	635.3	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	664.5	-1500.0	5:55	6:05	1500.0	59.3				
9:20	2:40	694.7	-1500.0	5:50	6:10	1500.0	118.7				
9:15	2:45	726.1	-1500.0	5:45	6:15	1500.0	178.1				
9:10	2:50	758.6	-1500.0	5:40	6:20	1500.0	237.8				
9:05	2:55	792.5	-1500.0	5:35	6:25	1500.0	297.6				
9:00	3:00	827.9	-1500.0	5:30	6:30	1500.0	357.8				
8:55	3:05	864.8	-1500.0	5:25	6:35	1500.0	418.3				
8:50	3:10	903.5	-1500.0	5:20	6:40	1500.0	479.2				
8:45	3:15	944.0	-1500.0	5:15	6:45	1500.0	540.6				
8:40	3:20	986.7	-1500.0	5:10	6:50	1500.0	602.5				
8:35	3:25	1031.5	-1500.0	5:05	6:55	1500.0	665.0				
8:30	3:30	1078.9	-1500.0	5:00	7:00	1500.0	728.2				