

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 31.0° N/S

Earliest Sunrise: 4:55 a.m. Latest Sunset: 7:05 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	5.6	-500.0	8:25	3:35	351.2	-500.0	4:55	7:05	500.0	283.0
11:50	12:10	11.2	-500.0	8:20	3:40	367.8	-500.0	4:50	7:10	500.0	306.1
11:45	12:15	16.9	-500.0	8:15	3:45	385.4	-500.0	4:45	7:15	500.0	329.5
11:40	12:20	22.5	-500.0	8:10	3:50	404.2	-500.0				
11:35	12:25	28.2	-500.0	8:05	3:55	424.4	-500.0				
11:30	12:30	33.9	-500.0	8:00	4:00	446.0	-500.0				
11:25	12:35	39.6	-500.0	7:55	4:05	469.4	-500.0				
11:20	12:40	45.4	-500.0	7:50	4:10	494.7	-500.0				
11:15	12:45	51.2	-500.0	7:45	4:15	500.0	-478.7				
11:10	12:50	57.1	-500.0	7:40	4:20	500.0	-452.7				
11:05	12:55	63.0	-500.0	7:35	4:25	500.0	-427.2				
11:00	1:00	69.0	-500.0	7:30	4:30	500.0	-402.1				
10:55	1:05	75.1	-500.0	7:25	4:35	500.0	-377.5				
10:50	1:10	81.2	-500.0	7:20	4:40	500.0	-353.3				
10:45	1:15	87.4	-500.0	7:15	4:45	500.0	-329.5				
10:40	1:20	93.7	-500.0	7:10	4:50	500.0	-306.1				
10:35	1:25	100.1	-500.0	7:05	4:55	500.0	-283.0				
10:30	1:30	106.7	-500.0	7:00	5:00	500.0	-260.1				
10:25	1:35	113.3	-500.0	6:55	5:05	500.0	-237.6				
10:20	1:40	120.1	-500.0	6:50	5:10	500.0	-215.2				
10:15	1:45	127.0	-500.0	6:45	5:15	500.0	-193.1				
10:10	1:50	134.1	-500.0	6:40	5:20	500.0	-171.2				
10:05	1:55	141.3	-500.0	6:35	5:25	500.0	-149.4				
10:00	2:00	148.7	-500.0	6:30	5:30	500.0	-127.8				
9:55	2:05	156.3	-500.0	6:25	5:35	500.0	-106.3				
9:50	2:10	164.1	-500.0	6:20	5:40	500.0	-84.9				
9:45	2:15	172.1	-500.0	6:15	5:45	500.0	-63.6				
9:40	2:20	180.3	-500.0	6:10	5:50	500.0	-42.4				
9:35	2:25	188.8	-500.0	6:05	5:55	500.0	-21.2				
9:30	2:30	197.6	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	206.7	-500.0	5:55	6:05	500.0	21.2				
9:20	2:40	216.1	-500.0	5:50	6:10	500.0	42.4				
9:15	2:45	225.8	-500.0	5:45	6:15	500.0	63.6				
9:10	2:50	236.0	-500.0	5:40	6:20	500.0	84.9				
9:05	2:55	246.5	-500.0	5:35	6:25	500.0	106.3				
9:00	3:00	257.5	-500.0	5:30	6:30	500.0	127.8				
8:55	3:05	269.0	-500.0	5:25	6:35	500.0	149.4				
8:50	3:10	281.0	-500.0	5:20	6:40	500.0	171.2				
8:45	3:15	293.6	-500.0	5:15	6:45	500.0	193.1				
8:40	3:20	306.9	-500.0	5:10	6:50	500.0	215.2				
8:35	3:25	320.9	-500.0	5:05	6:55	500.0	237.6				
8:30	3:30	335.6	-500.0	5:00	7:00	500.0	260.1				

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Horizontal Shadow Plane Sundial

Latitude: 31.0° N/S

Earliest Sunrise: 4:55 a.m. Latest Sunset: 7:05 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	16.9	-1500.0	8:25	3:35	1053.6	-1500.0	4:55	7:05	1500.0	848.9
11:50	12:10	33.7	-1500.0	8:20	3:40	1103.3	-1500.0	4:50	7:10	1500.0	918.3
11:45	12:15	50.6	-1500.0	8:15	3:45	1156.2	-1500.0	4:45	7:15	1500.0	988.6
11:40	12:20	67.6	-1500.0	8:10	3:50	1212.7	-1500.0				
11:35	12:25	84.6	-1500.0	8:05	3:55	1273.1	-1500.0				
11:30	12:30	101.7	-1500.0	8:00	4:00	1338.1	-1500.0				
11:25	12:35	118.9	-1500.0	7:55	4:05	1408.2	-1500.0				
11:20	12:40	136.2	-1500.0	7:50	4:10	1484.1	-1500.0				
11:15	12:45	153.7	-1500.0	7:45	4:15	1500.0	-1436.2				
11:10	12:50	171.3	-1500.0	7:40	4:20	1500.0	-1358.1				
11:05	12:55	189.0	-1500.0	7:35	4:25	1500.0	-1281.5				
11:00	1:00	207.0	-1500.0	7:30	4:30	1500.0	-1206.4				
10:55	1:05	225.2	-1500.0	7:25	4:35	1500.0	-1132.6				
10:50	1:10	243.6	-1500.0	7:20	4:40	1500.0	-1060.0				
10:45	1:15	262.2	-1500.0	7:15	4:45	1500.0	-988.6				
10:40	1:20	281.2	-1500.0	7:10	4:50	1500.0	-918.3				
10:35	1:25	300.4	-1500.0	7:05	4:55	1500.0	-848.9				
10:30	1:30	320.0	-1500.0	7:00	5:00	1500.0	-780.4				
10:25	1:35	339.9	-1500.0	6:55	5:05	1500.0	-712.7				
10:20	1:40	360.2	-1500.0	6:50	5:10	1500.0	-645.7				
10:15	1:45	381.0	-1500.0	6:45	5:15	1500.0	-579.3				
10:10	1:50	402.2	-1500.0	6:40	5:20	1500.0	-513.5				
10:05	1:55	423.8	-1500.0	6:35	5:25	1500.0	-448.3				
10:00	2:00	446.0	-1500.0	6:30	5:30	1500.0	-383.4				
9:55	2:05	468.8	-1500.0	6:25	5:35	1500.0	-319.0				
9:50	2:10	492.2	-1500.0	6:20	5:40	1500.0	-254.8				
9:45	2:15	516.2	-1500.0	6:15	5:45	1500.0	-190.9				
9:40	2:20	541.0	-1500.0	6:10	5:50	1500.0	-127.2				
9:35	2:25	566.5	-1500.0	6:05	5:55	1500.0	-63.5				
9:30	2:30	592.8	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	620.0	-1500.0	5:55	6:05	1500.0	63.5				
9:20	2:40	648.3	-1500.0	5:50	6:10	1500.0	127.2				
9:15	2:45	677.5	-1500.0	5:45	6:15	1500.0	190.9				
9:10	2:50	707.9	-1500.0	5:40	6:20	1500.0	254.8				
9:05	2:55	739.6	-1500.0	5:35	6:25	1500.0	319.0				
9:00	3:00	772.6	-1500.0	5:30	6:30	1500.0	383.4				
8:55	3:05	807.0	-1500.0	5:25	6:35	1500.0	448.3				
8:50	3:10	843.1	-1500.0	5:20	6:40	1500.0	513.5				
8:45	3:15	880.9	-1500.0	5:15	6:45	1500.0	579.3				
8:40	3:20	920.7	-1500.0	5:10	6:50	1500.0	645.7				
8:35	3:25	962.6	-1500.0	5:05	6:55	1500.0	712.7				
8:30	3:30	1006.8	-1500.0	5:00	7:00	1500.0	780.4				