

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 30.5° N/S

Earliest Sunrise: 4:56 a.m. Latest Sunset: 7:04 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	5.5	-500.0	8:25	3:35	346.1	-500.0	4:55	7:05	500.0	287.1
11:50	12:10	11.1	-500.0	8:20	3:40	362.4	-500.0	4:50	7:10	500.0	310.6
11:45	12:15	16.6	-500.0	8:15	3:45	379.8	-500.0	4:45	7:15	500.0	334.4
11:40	12:20	22.2	-500.0	8:10	3:50	398.3	-500.0				
11:35	12:25	27.8	-500.0	8:05	3:55	418.2	-500.0				
11:30	12:30	33.4	-500.0	8:00	4:00	439.5	-500.0				
11:25	12:35	39.1	-500.0	7:55	4:05	462.6	-500.0				
11:20	12:40	44.7	-500.0	7:50	4:10	487.5	-500.0				
11:15	12:45	50.5	-500.0	7:45	4:15	500.0	-485.8				
11:10	12:50	56.3	-500.0	7:40	4:20	500.0	-459.4				
11:05	12:55	62.1	-500.0	7:35	4:25	500.0	-433.5				
11:00	1:00	68.0	-500.0	7:30	4:30	500.0	-408.1				
10:55	1:05	74.0	-500.0	7:25	4:35	500.0	-383.1				
10:50	1:10	80.0	-500.0	7:20	4:40	500.0	-358.6				
10:45	1:15	86.1	-500.0	7:15	4:45	500.0	-334.4				
10:40	1:20	92.4	-500.0	7:10	4:50	500.0	-310.6				
10:35	1:25	98.7	-500.0	7:05	4:55	500.0	-287.1				
10:30	1:30	105.1	-500.0	7:00	5:00	500.0	-264.0				
10:25	1:35	111.7	-500.0	6:55	5:05	500.0	-241.1				
10:20	1:40	118.3	-500.0	6:50	5:10	500.0	-218.4				
10:15	1:45	125.1	-500.0	6:45	5:15	500.0	-196.0				
10:10	1:50	132.1	-500.0	6:40	5:20	500.0	-173.7				
10:05	1:55	139.2	-500.0	6:35	5:25	500.0	-151.6				
10:00	2:00	146.5	-500.0	6:30	5:30	500.0	-129.7				
9:55	2:05	154.0	-500.0	6:25	5:35	500.0	-107.9				
9:50	2:10	161.7	-500.0	6:20	5:40	500.0	-86.2				
9:45	2:15	169.6	-500.0	6:15	5:45	500.0	-64.6				
9:40	2:20	177.7	-500.0	6:10	5:50	500.0	-43.0				
9:35	2:25	186.1	-500.0	6:05	5:55	500.0	-21.5				
9:30	2:30	194.7	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	203.7	-500.0	5:55	6:05	500.0	21.5				
9:20	2:40	212.9	-500.0	5:50	6:10	500.0	43.0				
9:15	2:45	222.5	-500.0	5:45	6:15	500.0	64.6				
9:10	2:50	232.5	-500.0	5:40	6:20	500.0	86.2				
9:05	2:55	242.9	-500.0	5:35	6:25	500.0	107.9				
9:00	3:00	253.8	-500.0	5:30	6:30	500.0	129.7				
8:55	3:05	265.1	-500.0	5:25	6:35	500.0	151.6				
8:50	3:10	276.9	-500.0	5:20	6:40	500.0	173.7				
8:45	3:15	289.4	-500.0	5:15	6:45	500.0	196.0				
8:40	3:20	302.4	-500.0	5:10	6:50	500.0	218.4				
8:35	3:25	316.2	-500.0	5:05	6:55	500.0	241.1				
8:30	3:30	330.7	-500.0	5:00	7:00	500.0	264.0				

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Horizontal Shadow Plane Sundial

Latitude: 30.5° N/S

Earliest Sunrise: 4:56 a.m. Latest Sunset: 7:04 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	16.6	-1500.0	8:25	3:35	1038.3	-1500.0	4:55	7:05	1500.0	861.4
11:50	12:10	33.2	-1500.0	8:20	3:40	1087.3	-1500.0	4:50	7:10	1500.0	931.8
11:45	12:15	49.9	-1500.0	8:15	3:45	1139.4	-1500.0	4:45	7:15	1500.0	1003.2
11:40	12:20	66.6	-1500.0	8:10	3:50	1195.0	-1500.0				
11:35	12:25	83.4	-1500.0	8:05	3:55	1254.6	-1500.0				
11:30	12:30	100.2	-1500.0	8:00	4:00	1318.6	-1500.0				
11:25	12:35	117.2	-1500.0	7:55	4:05	1387.7	-1500.0				
11:20	12:40	134.2	-1500.0	7:50	4:10	1462.5	-1500.0				
11:15	12:45	151.4	-1500.0	7:45	4:15	1500.0	-1457.5				
11:10	12:50	168.8	-1500.0	7:40	4:20	1500.0	-1378.1				
11:05	12:55	186.3	-1500.0	7:35	4:25	1500.0	-1300.4				
11:00	1:00	204.0	-1500.0	7:30	4:30	1500.0	-1224.2				
10:55	1:05	221.9	-1500.0	7:25	4:35	1500.0	-1149.3				
10:50	1:10	240.0	-1500.0	7:20	4:40	1500.0	-1075.7				
10:45	1:15	258.4	-1500.0	7:15	4:45	1500.0	-1003.2				
10:40	1:20	277.1	-1500.0	7:10	4:50	1500.0	-931.8				
10:35	1:25	296.1	-1500.0	7:05	4:55	1500.0	-861.4				
10:30	1:30	315.3	-1500.0	7:00	5:00	1500.0	-791.9				
10:25	1:35	335.0	-1500.0	6:55	5:05	1500.0	-723.2				
10:20	1:40	355.0	-1500.0	6:50	5:10	1500.0	-655.2				
10:15	1:45	375.4	-1500.0	6:45	5:15	1500.0	-587.9				
10:10	1:50	396.3	-1500.0	6:40	5:20	1500.0	-521.1				
10:05	1:55	417.7	-1500.0	6:35	5:25	1500.0	-454.9				
10:00	2:00	439.5	-1500.0	6:30	5:30	1500.0	-389.1				
9:55	2:05	462.0	-1500.0	6:25	5:35	1500.0	-323.7				
9:50	2:10	485.0	-1500.0	6:20	5:40	1500.0	-258.6				
9:45	2:15	508.7	-1500.0	6:15	5:45	1500.0	-193.7				
9:40	2:20	533.1	-1500.0	6:10	5:50	1500.0	-129.0				
9:35	2:25	558.2	-1500.0	6:05	5:55	1500.0	-64.5				
9:30	2:30	584.2	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	611.0	-1500.0	5:55	6:05	1500.0	64.5				
9:20	2:40	638.8	-1500.0	5:50	6:10	1500.0	129.0				
9:15	2:45	667.6	-1500.0	5:45	6:15	1500.0	193.7				
9:10	2:50	697.6	-1500.0	5:40	6:20	1500.0	258.6				
9:05	2:55	728.8	-1500.0	5:35	6:25	1500.0	323.7				
9:00	3:00	761.3	-1500.0	5:30	6:30	1500.0	389.1				
8:55	3:05	795.3	-1500.0	5:25	6:35	1500.0	454.9				
8:50	3:10	830.8	-1500.0	5:20	6:40	1500.0	521.1				
8:45	3:15	868.1	-1500.0	5:15	6:45	1500.0	587.9				
8:40	3:20	907.3	-1500.0	5:10	6:50	1500.0	655.2				
8:35	3:25	948.6	-1500.0	5:05	6:55	1500.0	723.2				
8:30	3:30	992.2	-1500.0	5:00	7:00	1500.0	791.9				