

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 30.0° N/S

Earliest Sunrise: 4:57 a.m. Latest Sunset: 7:03 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	341.0	-500.0	4:55	7:05	500.0	291.5
11:50	12:10	10.9	-500.0	8:20	3:40	357.0	-500.0	4:50	7:10	500.0	315.3
11:45	12:15	16.4	-500.0	8:15	3:45	374.2	-500.0	4:45	7:15	500.0	339.5
11:40	12:20	21.9	-500.0	8:10	3:50	392.4	-500.0				
11:35	12:25	27.4	-500.0	8:05	3:55	412.0	-500.0				
11:30	12:30	32.9	-500.0	8:00	4:00	433.0	-500.0				
11:25	12:35	38.5	-500.0	7:55	4:05	455.7	-500.0				
11:20	12:40	44.1	-500.0	7:50	4:10	480.2	-500.0				
11:15	12:45	49.7	-500.0	7:45	4:15	500.0	-493.1				
11:10	12:50	55.4	-500.0	7:40	4:20	500.0	-466.3				
11:05	12:55	61.2	-500.0	7:35	4:25	500.0	-440.0				
11:00	1:00	67.0	-500.0	7:30	4:30	500.0	-414.2				
10:55	1:05	72.9	-500.0	7:25	4:35	500.0	-388.9				
10:50	1:10	78.8	-500.0	7:20	4:40	500.0	-364.0				
10:45	1:15	84.9	-500.0	7:15	4:45	500.0	-339.5				
10:40	1:20	91.0	-500.0	7:10	4:50	500.0	-315.3				
10:35	1:25	97.2	-500.0	7:05	4:55	500.0	-291.5				
10:30	1:30	103.6	-500.0	7:00	5:00	500.0	-267.9				
10:25	1:35	110.0	-500.0	6:55	5:05	500.0	-244.7				
10:20	1:40	116.6	-500.0	6:50	5:10	500.0	-221.7				
10:15	1:45	123.3	-500.0	6:45	5:15	500.0	-198.9				
10:10	1:50	130.1	-500.0	6:40	5:20	500.0	-176.3				
10:05	1:55	137.2	-500.0	6:35	5:25	500.0	-153.9				
10:00	2:00	144.3	-500.0	6:30	5:30	500.0	-131.7				
9:55	2:05	151.7	-500.0	6:25	5:35	500.0	-109.5				
9:50	2:10	159.3	-500.0	6:20	5:40	500.0	-87.5				
9:45	2:15	167.0	-500.0	6:15	5:45	500.0	-65.5				
9:40	2:20	175.1	-500.0	6:10	5:50	500.0	-43.7				
9:35	2:25	183.3	-500.0	6:05	5:55	500.0	-21.8				
9:30	2:30	191.8	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	200.6	-500.0	5:55	6:05	500.0	21.8				
9:20	2:40	209.8	-500.0	5:50	6:10	500.0	43.7				
9:15	2:45	219.2	-500.0	5:45	6:15	500.0	65.5				
9:10	2:50	229.1	-500.0	5:40	6:20	500.0	87.5				
9:05	2:55	239.3	-500.0	5:35	6:25	500.0	109.5				
9:00	3:00	250.0	-500.0	5:30	6:30	500.0	131.7				
8:55	3:05	261.2	-500.0	5:25	6:35	500.0	153.9				
8:50	3:10	272.8	-500.0	5:20	6:40	500.0	176.3				
8:45	3:15	285.1	-500.0	5:15	6:45	500.0	198.9				
8:40	3:20	297.9	-500.0	5:10	6:50	500.0	221.7				
8:35	3:25	311.5	-500.0	5:05	6:55	500.0	244.7				
8:30	3:30	325.8	-500.0	5:00	7:00	500.0	267.9				

Horizontal Shadow Plane Sundial

Latitude: 30.0° N/S

Earliest Sunrise: 4:57 a.m. Latest Sunset: 7:03 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	16.4	-1500.0	8:25	3:35	1022.9	-1500.0	4:55	7:05	1500.0	874.4
11:50	12:10	32.7	-1500.0	8:20	3:40	1071.1	-1500.0	4:50	7:10	1500.0	945.9
11:45	12:15	49.2	-1500.0	8:15	3:45	1122.5	-1500.0	4:45	7:15	1500.0	1018.4
11:40	12:20	65.6	-1500.0	8:10	3:50	1177.3	-1500.0				
11:35	12:25	82.1	-1500.0	8:05	3:55	1236.0	-1500.0				
11:30	12:30	98.7	-1500.0	8:00	4:00	1299.0	-1500.0				
11:25	12:35	115.4	-1500.0	7:55	4:05	1367.1	-1500.0				
11:20	12:40	132.2	-1500.0	7:50	4:10	1440.7	-1500.0				
11:15	12:45	149.2	-1500.0	7:45	4:15	1500.0	-1479.4				
11:10	12:50	166.3	-1500.0	7:40	4:20	1500.0	-1398.9				
11:05	12:55	183.5	-1500.0	7:35	4:25	1500.0	-1320.0				
11:00	1:00	201.0	-1500.0	7:30	4:30	1500.0	-1242.6				
10:55	1:05	218.6	-1500.0	7:25	4:35	1500.0	-1166.6				
10:50	1:10	236.5	-1500.0	7:20	4:40	1500.0	-1091.9				
10:45	1:15	254.6	-1500.0	7:15	4:45	1500.0	-1018.4				
10:40	1:20	273.0	-1500.0	7:10	4:50	1500.0	-945.9				
10:35	1:25	291.7	-1500.0	7:05	4:55	1500.0	-874.4				
10:30	1:30	310.7	-1500.0	7:00	5:00	1500.0	-803.8				
10:25	1:35	330.0	-1500.0	6:55	5:05	1500.0	-734.1				
10:20	1:40	349.7	-1500.0	6:50	5:10	1500.0	-665.1				
10:15	1:45	369.9	-1500.0	6:45	5:15	1500.0	-596.7				
10:10	1:50	390.4	-1500.0	6:40	5:20	1500.0	-529.0				
10:05	1:55	411.5	-1500.0	6:35	5:25	1500.0	-461.7				
10:00	2:00	433.0	-1500.0	6:30	5:30	1500.0	-395.0				
9:55	2:05	455.1	-1500.0	6:25	5:35	1500.0	-328.6				
9:50	2:10	477.8	-1500.0	6:20	5:40	1500.0	-262.5				
9:45	2:15	501.1	-1500.0	6:15	5:45	1500.0	-196.6				
9:40	2:20	525.2	-1500.0	6:10	5:50	1500.0	-131.0				
9:35	2:25	549.9	-1500.0	6:05	5:55	1500.0	-65.5				
9:30	2:30	575.5	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	601.9	-1500.0	5:55	6:05	1500.0	65.5				
9:20	2:40	629.3	-1500.0	5:50	6:10	1500.0	131.0				
9:15	2:45	657.7	-1500.0	5:45	6:15	1500.0	196.6				
9:10	2:50	687.2	-1500.0	5:40	6:20	1500.0	262.5				
9:05	2:55	718.0	-1500.0	5:35	6:25	1500.0	328.6				
9:00	3:00	750.0	-1500.0	5:30	6:30	1500.0	395.0				
8:55	3:05	783.5	-1500.0	5:25	6:35	1500.0	461.7				
8:50	3:10	818.5	-1500.0	5:20	6:40	1500.0	529.0				
8:45	3:15	855.2	-1500.0	5:15	6:45	1500.0	596.7				
8:40	3:20	893.8	-1500.0	5:10	6:50	1500.0	665.1				
8:35	3:25	934.5	-1500.0	5:05	6:55	1500.0	734.1				
8:30	3:30	977.4	-1500.0	5:00	7:00	1500.0	803.8				