

# The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

## Horizontal Shadow Plane Sundial

Latitude: 26.5° N/S

Earliest Sunrise: 5:06 a.m.    Latest Sunset: 6:54 p.m.  
E-W Dimension: 1000 mm

Local Time		X	Y	Local Time		X	Y
12:00		0.0	-500.0				
11:55	12:05	4.9	-500.0	8:25	3:35	304.3	-500.0
11:50	12:10	9.7	-500.0	8:20	3:40	318.6	-500.0
11:45	12:15	14.6	-500.0	8:15	3:45	333.9	-500.0
11:40	12:20	19.5	-500.0	8:10	3:50	350.2	-500.0
11:35	12:25	24.4	-500.0	8:05	3:55	367.7	-500.0
11:30	12:30	29.4	-500.0	8:00	4:00	386.4	-500.0
11:25	12:35	34.3	-500.0	7:55	4:05	406.7	-500.0
11:20	12:40	39.3	-500.0	7:50	4:10	428.6	-500.0
11:15	12:45	44.4	-500.0	7:45	4:15	452.4	-500.0
11:10	12:50	49.5	-500.0	7:40	4:20	478.4	-500.0
11:05	12:55	54.6	-500.0	7:35	4:25	500.0	-493.1
11:00	1:00	59.8	-500.0	7:30	4:30	500.0	-464.2
10:55	1:05	65.0	-500.0	7:25	4:35	500.0	-435.8
10:50	1:10	70.3	-500.0	7:20	4:40	500.0	-407.9
10:45	1:15	75.7	-500.0	7:15	4:45	500.0	-380.4
10:40	1:20	81.2	-500.0	7:10	4:50	500.0	-353.3
10:35	1:25	86.8	-500.0	7:05	4:55	500.0	-326.6
10:30	1:30	92.4	-500.0	7:00	5:00	500.0	-300.3
10:25	1:35	98.2	-500.0	6:55	5:05	500.0	-274.2
10:20	1:40	104.0	-500.0	6:50	5:10	500.0	-248.4
10:15	1:45	110.0	-500.0	6:45	5:15	500.0	-222.9
10:10	1:50	116.1	-500.0	6:40	5:20	500.0	-197.6
10:05	1:55	122.4	-500.0	6:35	5:25	500.0	-172.5
10:00	2:00	128.8	-500.0	6:30	5:30	500.0	-147.5
9:55	2:05	135.4	-500.0	6:25	5:35	500.0	-122.7
9:50	2:10	142.1	-500.0	6:20	5:40	500.0	-98.0
9:45	2:15	149.1	-500.0	6:15	5:45	500.0	-73.4
9:40	2:20	156.2	-500.0	6:10	5:50	500.0	-48.9
9:35	2:25	163.6	-500.0	6:05	5:55	500.0	-24.5
9:30	2:30	171.2	-500.0	6:00	6:00	500.0	0.0
9:25	2:35	179.1	-500.0	5:55	6:05	500.0	24.5
9:20	2:40	187.2	-500.0	5:50	6:10	500.0	48.9
9:15	2:45	195.7	-500.0	5:45	6:15	500.0	73.4
9:10	2:50	204.4	-500.0	5:40	6:20	500.0	98.0
9:05	2:55	213.6	-500.0	5:35	6:25	500.0	122.7
9:00	3:00	223.1	-500.0	5:30	6:30	500.0	147.5
8:55	3:05	233.1	-500.0	5:25	6:35	500.0	172.5
8:50	3:10	243.5	-500.0	5:20	6:40	500.0	197.6
8:45	3:15	254.4	-500.0	5:15	6:45	500.0	222.9
8:40	3:20	265.9	-500.0	5:10	6:50	500.0	248.4
8:35	3:25	278.0	-500.0	5:05	6:55	500.0	274.2
8:30	3:30	290.7	-500.0	5:00	7:00	500.0	300.3

## Horizontal Shadow Plane Sundial

Latitude: 26.5° N/S

Earliest Sunrise: 5:06 a.m.    Latest Sunset: 6:54 p.m.  
 E-W Dimension: 3000 mm

Local Time		X	Y	Local Time		X	Y
12:00		0.0	-1500.0				
11:55	12:05	14.6	-1500.0	8:25	3:35	912.8	-1500.0
11:50	12:10	29.2	-1500.0	8:20	3:40	955.9	-1500.0
11:45	12:15	43.9	-1500.0	8:15	3:45	1001.7	-1500.0
11:40	12:20	58.6	-1500.0	8:10	3:50	1050.6	-1500.0
11:35	12:25	73.3	-1500.0	8:05	3:55	1103.0	-1500.0
11:30	12:30	88.1	-1500.0	8:00	4:00	1159.3	-1500.0
11:25	12:35	103.0	-1500.0	7:55	4:05	1220.0	-1500.0
11:20	12:40	118.0	-1500.0	7:50	4:10	1285.7	-1500.0
11:15	12:45	133.1	-1500.0	7:45	4:15	1357.2	-1500.0
11:10	12:50	148.4	-1500.0	7:40	4:20	1435.3	-1500.0
11:05	12:55	163.8	-1500.0	7:35	4:25	1500.0	-1479.2
11:00	1:00	179.3	-1500.0	7:30	4:30	1500.0	-1392.5
10:55	1:05	195.1	-1500.0	7:25	4:35	1500.0	-1307.3
10:50	1:10	211.0	-1500.0	7:20	4:40	1500.0	-1223.6
10:45	1:15	227.2	-1500.0	7:15	4:45	1500.0	-1141.2
10:40	1:20	243.6	-1500.0	7:10	4:50	1500.0	-1060.0
10:35	1:25	260.3	-1500.0	7:05	4:55	1500.0	-979.9
10:30	1:30	277.2	-1500.0	7:00	5:00	1500.0	-900.8
10:25	1:35	294.5	-1500.0	6:55	5:05	1500.0	-822.6
10:20	1:40	312.1	-1500.0	6:50	5:10	1500.0	-745.3
10:15	1:45	330.1	-1500.0	6:45	5:15	1500.0	-668.7
10:10	1:50	348.4	-1500.0	6:40	5:20	1500.0	-592.8
10:05	1:55	367.2	-1500.0	6:35	5:25	1500.0	-517.4
10:00	2:00	386.4	-1500.0	6:30	5:30	1500.0	-442.6
9:55	2:05	406.1	-1500.0	6:25	5:35	1500.0	-368.2
9:50	2:10	426.4	-1500.0	6:20	5:40	1500.0	-294.1
9:45	2:15	447.2	-1500.0	6:15	5:45	1500.0	-220.3
9:40	2:20	468.6	-1500.0	6:10	5:50	1500.0	-146.8
9:35	2:25	490.7	-1500.0	6:05	5:55	1500.0	-73.4
9:30	2:30	513.6	-1500.0	6:00	6:00	1500.0	0.0
9:25	2:35	537.2	-1500.0	5:55	6:05	1500.0	73.4
9:20	2:40	561.6	-1500.0	5:50	6:10	1500.0	146.8
9:15	2:45	587.0	-1500.0	5:45	6:15	1500.0	220.3
9:10	2:50	613.3	-1500.0	5:40	6:20	1500.0	294.1
9:05	2:55	640.7	-1500.0	5:35	6:25	1500.0	368.2
9:00	3:00	669.3	-1500.0	5:30	6:30	1500.0	442.6
8:55	3:05	699.2	-1500.0	5:25	6:35	1500.0	517.4
8:50	3:10	730.4	-1500.0	5:20	6:40	1500.0	592.8
8:45	3:15	763.2	-1500.0	5:15	6:45	1500.0	668.7
8:40	3:20	797.6	-1500.0	5:10	6:50	1500.0	745.3
8:35	3:25	833.9	-1500.0	5:05	6:55	1500.0	822.6
8:30	3:30	872.2	-1500.0	5:00	7:00	1500.0	900.8