

# The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

## Horizontal Shadow Plane Sundial

Latitude: 27.5° N/S

Earliest Sunrise: 5:04 a.m.    Latest Sunset: 6:56 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	5.0	-500.0	8:25	3:35	314.9	-500.0
11:50	12:10	10.1	-500.0	8:20	3:40	329.7	-500.0
11:45	12:15	15.1	-500.0	8:15	3:45	345.5	-500.0
11:40	12:20	20.2	-500.0	8:10	3:50	362.4	-500.0
11:35	12:25	25.3	-500.0	8:05	3:55	380.5	-500.0
11:30	12:30	30.4	-500.0	8:00	4:00	399.9	-500.0
11:25	12:35	35.5	-500.0	7:55	4:05	420.8	-500.0
11:20	12:40	40.7	-500.0	7:50	4:10	443.5	-500.0
11:15	12:45	45.9	-500.0	7:45	4:15	468.2	-500.0
11:10	12:50	51.2	-500.0	7:40	4:20	495.1	-500.0
11:05	12:55	56.5	-500.0	7:35	4:25	500.0	-476.5
11:00	1:00	61.9	-500.0	7:30	4:30	500.0	-448.5
10:55	1:05	67.3	-500.0	7:25	4:35	500.0	-421.1
10:50	1:10	72.8	-500.0	7:20	4:40	500.0	-394.1
10:45	1:15	78.4	-500.0	7:15	4:45	500.0	-367.6
10:40	1:20	84.0	-500.0	7:10	4:50	500.0	-341.4
10:35	1:25	89.8	-500.0	7:05	4:55	500.0	-315.6
10:30	1:30	95.6	-500.0	7:00	5:00	500.0	-290.1
10:25	1:35	101.6	-500.0	6:55	5:05	500.0	-265.0
10:20	1:40	107.7	-500.0	6:50	5:10	500.0	-240.1
10:15	1:45	113.9	-500.0	6:45	5:15	500.0	-215.4
10:10	1:50	120.2	-500.0	6:40	5:20	500.0	-190.9
10:05	1:55	126.7	-500.0	6:35	5:25	500.0	-166.7
10:00	2:00	133.3	-500.0	6:30	5:30	500.0	-142.6
9:55	2:05	140.1	-500.0	6:25	5:35	500.0	-118.6
9:50	2:10	147.1	-500.0	6:20	5:40	500.0	-94.7
9:45	2:15	154.3	-500.0	6:15	5:45	500.0	-71.0
9:40	2:20	161.7	-500.0	6:10	5:50	500.0	-47.3
9:35	2:25	169.3	-500.0	6:05	5:55	500.0	-23.6
9:30	2:30	177.2	-500.0	6:00	6:00	500.0	0.0
9:25	2:35	185.3	-500.0	5:55	6:05	500.0	23.6
9:20	2:40	193.7	-500.0	5:50	6:10	500.0	47.3
9:15	2:45	202.5	-500.0	5:45	6:15	500.0	71.0
9:10	2:50	211.6	-500.0	5:40	6:20	500.0	94.7
9:05	2:55	221.0	-500.0	5:35	6:25	500.0	118.6
9:00	3:00	230.9	-500.0	5:30	6:30	500.0	142.6
8:55	3:05	241.2	-500.0	5:25	6:35	500.0	166.7
8:50	3:10	252.0	-500.0	5:20	6:40	500.0	190.9
8:45	3:15	263.3	-500.0	5:15	6:45	500.0	215.4
8:40	3:20	275.1	-500.0	5:10	6:50	500.0	240.1
8:35	3:25	287.7	-500.0	5:05	6:55	500.0	265.0
8:30	3:30	300.9	-500.0	5:00	7:00	500.0	290.1

## Horizontal Shadow Plane Sundial

Latitude: 27.5° N/S

Earliest Sunrise: 5:04 a.m.    Latest Sunset: 6:56 p.m.  
 E-W Dimension: 3000 mm

Local Time	X	Y	Local Time	X	Y
12:00	0.0	-1500.0			
11:55	15.1	-1500.0	8:25	3:35	944.6
11:50	30.2	-1500.0	8:20	3:40	989.2
11:45	45.4	-1500.0	8:15	3:45	1036.6
11:40	60.6	-1500.0	8:10	3:50	1087.2
11:35	75.9	-1500.0	8:05	3:55	1141.4
11:30	91.2	-1500.0	8:00	4:00	1199.7
11:25	106.6	-1500.0	7:55	4:05	1262.5
11:20	122.1	-1500.0	7:50	4:10	1330.5
11:15	137.8	-1500.0	7:45	4:15	1404.5
11:10	153.6	-1500.0	7:40	4:20	1485.3
11:05	169.5	-1500.0	7:35	4:25	1500.0
11:00	185.6	-1500.0	7:30	4:30	1500.0
10:55	201.9	-1500.0	7:25	4:35	1500.0
10:50	218.4	-1500.0	7:20	4:40	1500.0
10:45	235.1	-1500.0	7:15	4:45	1500.0
10:40	252.1	-1500.0	7:10	4:50	1500.0
10:35	269.3	-1500.0	7:05	4:55	1500.0
10:30	286.9	-1500.0	7:00	5:00	1500.0
10:25	304.8	-1500.0	6:55	5:05	1500.0
10:20	323.0	-1500.0	6:50	5:10	1500.0
10:15	341.6	-1500.0	6:45	5:15	1500.0
10:10	360.6	-1500.0	6:40	5:20	1500.0
10:05	380.0	-1500.0	6:35	5:25	1500.0
10:00	399.9	-1500.0	6:30	5:30	1500.0
9:55	420.3	-1500.0	6:25	5:35	1500.0
9:50	441.2	-1500.0	6:20	5:40	1500.0
9:45	462.8	-1500.0	6:15	5:45	1500.0
9:40	485.0	-1500.0	6:10	5:50	1500.0
9:35	507.9	-1500.0	6:05	5:55	1500.0
9:30	531.5	-1500.0	6:00	6:00	1500.0
9:25	555.9	-1500.0	5:55	6:05	1500.0
9:20	581.2	-1500.0	5:50	6:10	1500.0
9:15	607.4	-1500.0	5:45	6:15	1500.0
9:10	634.7	-1500.0	5:40	6:20	1500.0
9:05	663.0	-1500.0	5:35	6:25	1500.0
9:00	692.6	-1500.0	5:30	6:30	1500.0
8:55	723.5	-1500.0	5:25	6:35	1500.0
8:50	755.9	-1500.0	5:20	6:40	1500.0
8:45	789.8	-1500.0	5:15	6:45	1500.0
8:40	825.4	-1500.0	5:10	6:50	1500.0
8:35	863.0	-1500.0	5:05	6:55	1500.0
8:30	902.6	-1500.0	5:00	7:00	1500.0