

# The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

## Horizontal Shadow Plane Sundial

Latitude: 27.0° N/S

Earliest Sunrise: 5:05 a.m. Latest Sunset: 6:55 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	309.6	-500.0
11:50	12:10	9.9	-500.0	8:20	3:40	324.2	-500.0
11:45	12:15	14.9	-500.0	8:15	3:45	339.7	-500.0
11:40	12:20	19.9	-500.0	8:10	3:50	356.3	-500.0
11:35	12:25	24.9	-500.0	8:05	3:55	374.1	-500.0
11:30	12:30	29.9	-500.0	8:00	4:00	393.2	-500.0
11:25	12:35	34.9	-500.0	7:55	4:05	413.8	-500.0
11:20	12:40	40.0	-500.0	7:50	4:10	436.1	-500.0
11:15	12:45	45.2	-500.0	7:45	4:15	460.3	-500.0
11:10	12:50	50.3	-500.0	7:40	4:20	486.8	-500.0
11:05	12:55	55.5	-500.0	7:35	4:25	500.0	-484.6
11:00	1:00	60.8	-500.0	7:30	4:30	500.0	-456.2
10:55	1:05	66.2	-500.0	7:25	4:35	500.0	-428.3
10:50	1:10	71.6	-500.0	7:20	4:40	500.0	-400.9
10:45	1:15	77.1	-500.0	7:15	4:45	500.0	-373.9
10:40	1:20	82.6	-500.0	7:10	4:50	500.0	-347.3
10:35	1:25	88.3	-500.0	7:05	4:55	500.0	-321.0
10:30	1:30	94.0	-500.0	7:00	5:00	500.0	-295.1
10:25	1:35	99.9	-500.0	6:55	5:05	500.0	-269.5
10:20	1:40	105.8	-500.0	6:50	5:10	500.0	-244.2
10:15	1:45	111.9	-500.0	6:45	5:15	500.0	-219.1
10:10	1:50	118.2	-500.0	6:40	5:20	500.0	-194.2
10:05	1:55	124.5	-500.0	6:35	5:25	500.0	-169.5
10:00	2:00	131.1	-500.0	6:30	5:30	500.0	-145.0
9:55	2:05	137.7	-500.0	6:25	5:35	500.0	-120.6
9:50	2:10	144.6	-500.0	6:20	5:40	500.0	-96.4
9:45	2:15	151.7	-500.0	6:15	5:45	500.0	-72.2
9:40	2:20	158.9	-500.0	6:10	5:50	500.0	-48.1
9:35	2:25	166.4	-500.0	6:05	5:55	500.0	-24.0
9:30	2:30	174.2	-500.0	6:00	6:00	500.0	0.0
9:25	2:35	182.2	-500.0	5:55	6:05	500.0	24.0
9:20	2:40	190.5	-500.0	5:50	6:10	500.0	48.1
9:15	2:45	199.1	-500.0	5:45	6:15	500.0	72.2
9:10	2:50	208.0	-500.0	5:40	6:20	500.0	96.4
9:05	2:55	217.3	-500.0	5:35	6:25	500.0	120.6
9:00	3:00	227.0	-500.0	5:30	6:30	500.0	145.0
8:55	3:05	237.1	-500.0	5:25	6:35	500.0	169.5
8:50	3:10	247.7	-500.0	5:20	6:40	500.0	194.2
8:45	3:15	258.8	-500.0	5:15	6:45	500.0	219.1
8:40	3:20	270.5	-500.0	5:10	6:50	500.0	244.2
8:35	3:25	282.8	-500.0	5:05	6:55	500.0	269.5
8:30	3:30	295.8	-500.0	5:00	7:00	500.0	295.1

## Horizontal Shadow Plane Sundial

Latitude: 27.0° N/S

Earliest Sunrise: 5:05 a.m.    Latest Sunset: 6:55 p.m.  
 E-W Dimension: 3000 mm

Local Time	X	Y	Local Time	X	Y
12:00	0.0	-1500.0			
11:55	14.9	-1500.0	8:25	3:35	928.7
11:50	29.7	-1500.0	8:20	3:40	972.5
11:45	44.6	-1500.0	8:15	3:45	1019.2
11:40	59.6	-1500.0	8:10	3:50	1068.9
11:35	74.6	-1500.0	8:05	3:55	1122.2
11:30	89.7	-1500.0	8:00	4:00	1179.5
11:25	104.8	-1500.0	7:55	4:05	1241.3
11:20	120.1	-1500.0	7:50	4:10	1308.2
11:15	135.5	-1500.0	7:45	4:15	1380.9
11:10	151.0	-1500.0	7:40	4:20	1460.4
11:05	166.6	-1500.0	7:35	4:25	1500.0
11:00	182.5	-1500.0	7:30	4:30	1500.0
10:55	198.5	-1500.0	7:25	4:35	1500.0
10:50	214.7	-1500.0	7:20	4:40	1500.0
10:45	231.2	-1500.0	7:15	4:45	1500.0
10:40	247.9	-1500.0	7:10	4:50	1500.0
10:35	264.8	-1500.0	7:05	4:55	1500.0
10:30	282.1	-1500.0	7:00	5:00	1500.0
10:25	299.6	-1500.0	6:55	5:05	1500.0
10:20	317.5	-1500.0	6:50	5:10	1500.0
10:15	335.8	-1500.0	6:45	5:15	1500.0
10:10	354.5	-1500.0	6:40	5:20	1500.0
10:05	373.6	-1500.0	6:35	5:25	1500.0
10:00	393.2	-1500.0	6:30	5:30	1500.0
9:55	413.2	-1500.0	6:25	5:35	1500.0
9:50	433.8	-1500.0	6:20	5:40	1500.0
9:45	455.0	-1500.0	6:15	5:45	1500.0
9:40	476.8	-1500.0	6:10	5:50	1500.0
9:35	499.3	-1500.0	6:05	5:55	1500.0
9:30	522.5	-1500.0	6:00	6:00	1500.0
9:25	546.5	-1500.0	5:55	6:05	1500.0
9:20	571.4	-1500.0	5:50	6:10	1500.0
9:15	597.2	-1500.0	5:45	6:15	1500.0
9:10	624.0	-1500.0	5:40	6:20	1500.0
9:05	651.9	-1500.0	5:35	6:25	1500.0
9:00	681.0	-1500.0	5:30	6:30	1500.0
8:55	711.4	-1500.0	5:25	6:35	1500.0
8:50	743.2	-1500.0	5:20	6:40	1500.0
8:45	776.5	-1500.0	5:15	6:45	1500.0
8:40	811.6	-1500.0	5:10	6:50	1500.0
8:35	848.5	-1500.0	5:05	6:55	1500.0
8:30	887.5	-1500.0	5:00	7:00	1500.0