

# The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

## Horizontal Shadow Plane Sundial

Latitude: 29.0° N/S

Earliest Sunrise: 5:00 a.m. Latest Sunset: 7:00 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	5.3	-500.0	8:25	3:35	330.6	-500.0
11:50	12:10	10.6	-500.0	8:20	3:40	346.2	-500.0
11:45	12:15	15.9	-500.0	8:15	3:45	362.8	-500.0
11:40	12:20	21.2	-500.0	8:10	3:50	380.5	-500.0
11:35	12:25	26.5	-500.0	8:05	3:55	399.5	-500.0
11:30	12:30	31.9	-500.0	8:00	4:00	419.9	-500.0
11:25	12:35	37.3	-500.0	7:55	4:05	441.8	-500.0
11:20	12:40	42.7	-500.0	7:50	4:10	465.7	-500.0
11:15	12:45	48.2	-500.0	7:45	4:15	491.5	-500.0
11:10	12:50	53.7	-500.0	7:40	4:20	500.0	-480.9
11:05	12:55	59.3	-500.0	7:35	4:25	500.0	-453.8
11:00	1:00	65.0	-500.0	7:30	4:30	500.0	-427.2
10:55	1:05	70.7	-500.0	7:25	4:35	500.0	-401.1
10:50	1:10	76.4	-500.0	7:20	4:40	500.0	-375.4
10:45	1:15	82.3	-500.0	7:15	4:45	500.0	-350.1
10:40	1:20	88.2	-500.0	7:10	4:50	500.0	-325.2
10:35	1:25	94.3	-500.0	7:05	4:55	500.0	-300.6
10:30	1:30	100.4	-500.0	7:00	5:00	500.0	-276.3
10:25	1:35	106.7	-500.0	6:55	5:05	500.0	-252.4
10:20	1:40	113.0	-500.0	6:50	5:10	500.0	-228.6
10:15	1:45	119.5	-500.0	6:45	5:15	500.0	-205.1
10:10	1:50	126.2	-500.0	6:40	5:20	500.0	-181.9
10:05	1:55	133.0	-500.0	6:35	5:25	500.0	-158.7
10:00	2:00	140.0	-500.0	6:30	5:30	500.0	-135.8
9:55	2:05	147.1	-500.0	6:25	5:35	500.0	-112.9
9:50	2:10	154.4	-500.0	6:20	5:40	500.0	-90.2
9:45	2:15	162.0	-500.0	6:15	5:45	500.0	-67.6
9:40	2:20	169.7	-500.0	6:10	5:50	500.0	-45.0
9:35	2:25	177.7	-500.0	6:05	5:55	500.0	-22.5
9:30	2:30	186.0	-500.0	6:00	6:00	500.0	0.0
9:25	2:35	194.6	-500.0	5:55	6:05	500.0	22.5
9:20	2:40	203.4	-500.0	5:50	6:10	500.0	45.0
9:15	2:45	212.6	-500.0	5:45	6:15	500.0	67.6
9:10	2:50	222.1	-500.0	5:40	6:20	500.0	90.2
9:05	2:55	232.1	-500.0	5:35	6:25	500.0	112.9
9:00	3:00	242.4	-500.0	5:30	6:30	500.0	135.8
8:55	3:05	253.2	-500.0	5:25	6:35	500.0	158.7
8:50	3:10	264.5	-500.0	5:20	6:40	500.0	181.9
8:45	3:15	276.4	-500.0	5:15	6:45	500.0	205.1
8:40	3:20	288.9	-500.0	5:10	6:50	500.0	228.6
8:35	3:25	302.0	-500.0	5:05	6:55	500.0	252.4
8:30	3:30	315.9	-500.0	5:00	7:00	500.0	276.3

## Horizontal Shadow Plane Sundial

Latitude: 29.0° N/S

Earliest Sunrise: 5:00 a.m.    Latest Sunset: 7:00 p.m.  
 E-W Dimension: 3000 mm

Local Time	X	Y	Local Time	X	Y
12:00	0.0	-1500.0			
11:55	15.9	-1500.0	8:25	3:35	991.8
11:50	31.8	-1500.0	8:20	3:40	1038.6
11:45	47.7	-1500.0	8:15	3:45	1088.4
11:40	63.6	-1500.0	8:10	3:50	1141.5
11:35	79.6	-1500.0	8:05	3:55	1198.4
11:30	95.7	-1500.0	8:00	4:00	1259.6
11:25	111.9	-1500.0	7:55	4:05	1325.5
11:20	128.2	-1500.0	7:50	4:10	1397.0
11:15	144.7	-1500.0	7:45	4:15	1474.6
11:10	161.2	-1500.0	7:40	4:20	1500.0
11:05	177.9	-1500.0	7:35	4:25	1500.0
11:00	194.9	-1500.0	7:30	4:30	1500.0
10:55	212.0	-1500.0	7:25	4:35	1500.0
10:50	229.3	-1500.0	7:20	4:40	1500.0
10:45	246.9	-1500.0	7:15	4:45	1500.0
10:40	264.7	-1500.0	7:10	4:50	1500.0
10:35	282.8	-1500.0	7:05	4:55	1500.0
10:30	301.2	-1500.0	7:00	5:00	1500.0
10:25	320.0	-1500.0	6:55	5:05	1500.0
10:20	339.1	-1500.0	6:50	5:10	1500.0
10:15	358.6	-1500.0	6:45	5:15	1500.0
10:10	378.6	-1500.0	6:40	5:20	1500.0
10:05	399.0	-1500.0	6:35	5:25	1500.0
10:00	419.9	-1500.0	6:30	5:30	1500.0
9:55	441.3	-1500.0	6:25	5:35	1500.0
9:50	463.3	-1500.0	6:20	5:40	1500.0
9:45	485.9	-1500.0	6:15	5:45	1500.0
9:40	509.2	-1500.0	6:10	5:50	1500.0
9:35	533.2	-1500.0	6:05	5:55	1500.0
9:30	558.0	-1500.0	6:00	6:00	1500.0
9:25	583.7	-1500.0	5:55	6:05	1500.0
9:20	610.2	-1500.0	5:50	6:10	1500.0
9:15	637.7	-1500.0	5:45	6:15	1500.0
9:10	666.4	-1500.0	5:40	6:20	1500.0
9:05	696.2	-1500.0	5:35	6:25	1500.0
9:00	727.2	-1500.0	5:30	6:30	1500.0
8:55	759.7	-1500.0	5:25	6:35	1500.0
8:50	793.6	-1500.0	5:20	6:40	1500.0
8:45	829.2	-1500.0	5:15	6:45	1500.0
8:40	866.7	-1500.0	5:10	6:50	1500.0
8:35	906.1	-1500.0	5:05	6:55	1500.0
8:30	947.7	-1500.0	5:00	7:00	1500.0