

# The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

## Horizontal Shadow Plane Sundial

Latitude: 25.0° N/S

Earliest Sunrise: 5:09 a.m. Latest Sunset: 6:51 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	4.6	-500.0	8:25	3:35	288.2	-500.0
11:50	12:10	9.2	-500.0	8:20	3:40	301.8	-500.0
11:45	12:15	13.8	-500.0	8:15	3:45	316.2	-500.0
11:40	12:20	18.5	-500.0	8:10	3:50	331.7	-500.0
11:35	12:25	23.1	-500.0	8:05	3:55	348.2	-500.0
11:30	12:30	27.8	-500.0	8:00	4:00	366.0	-500.0
11:25	12:35	32.5	-500.0	7:55	4:05	385.2	-500.0
11:20	12:40	37.3	-500.0	7:50	4:10	405.9	-500.0
11:15	12:45	42.0	-500.0	7:45	4:15	428.5	-500.0
11:10	12:50	46.8	-500.0	7:40	4:20	453.2	-500.0
11:05	12:55	51.7	-500.0	7:35	4:25	480.2	-500.0
11:00	1:00	56.6	-500.0	7:30	4:30	500.0	-490.1
10:55	1:05	61.6	-500.0	7:25	4:35	500.0	-460.1
10:50	1:10	66.6	-500.0	7:20	4:40	500.0	-430.6
10:45	1:15	71.7	-500.0	7:15	4:45	500.0	-401.6
10:40	1:20	76.9	-500.0	7:10	4:50	500.0	-373.0
10:35	1:25	82.2	-500.0	7:05	4:55	500.0	-344.8
10:30	1:30	87.5	-500.0	7:00	5:00	500.0	-317.0
10:25	1:35	93.0	-500.0	6:55	5:05	500.0	-289.5
10:20	1:40	98.5	-500.0	6:50	5:10	500.0	-262.3
10:15	1:45	104.2	-500.0	6:45	5:15	500.0	-235.3
10:10	1:50	110.0	-500.0	6:40	5:20	500.0	-208.6
10:05	1:55	115.9	-500.0	6:35	5:25	500.0	-182.1
10:00	2:00	122.0	-500.0	6:30	5:30	500.0	-155.8
9:55	2:05	128.2	-500.0	6:25	5:35	500.0	-129.6
9:50	2:10	134.6	-500.0	6:20	5:40	500.0	-103.5
9:45	2:15	141.2	-500.0	6:15	5:45	500.0	-77.5
9:40	2:20	148.0	-500.0	6:10	5:50	500.0	-51.7
9:35	2:25	154.9	-500.0	6:05	5:55	500.0	-25.8
9:30	2:30	162.1	-500.0	6:00	6:00	500.0	0.0
9:25	2:35	169.6	-500.0	5:55	6:05	500.0	25.8
9:20	2:40	177.3	-500.0	5:50	6:10	500.0	51.7
9:15	2:45	185.3	-500.0	5:45	6:15	500.0	77.5
9:10	2:50	193.6	-500.0	5:40	6:20	500.0	103.5
9:05	2:55	202.3	-500.0	5:35	6:25	500.0	129.6
9:00	3:00	211.3	-500.0	5:30	6:30	500.0	155.8
8:55	3:05	220.7	-500.0	5:25	6:35	500.0	182.1
8:50	3:10	230.6	-500.0	5:20	6:40	500.0	208.6
8:45	3:15	241.0	-500.0	5:15	6:45	500.0	235.3
8:40	3:20	251.8	-500.0	5:10	6:50	500.0	262.3
8:35	3:25	263.3	-500.0	5:05	6:55	500.0	289.5
8:30	3:30	275.4	-500.0	5:00	7:00	500.0	317.0

## Horizontal Shadow Plane Sundial

Latitude: 25.0° N/S

Earliest Sunrise: 5:09 a.m.    Latest Sunset: 6:51 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	13.8	-1500.0	8:25	3:35	864.6	-1500.0
11:50	12:10	27.7	-1500.0	8:20	3:40	905.3	-1500.0
11:45	12:15	41.5	-1500.0	8:15	3:45	948.7	-1500.0
11:40	12:20	55.5	-1500.0	8:10	3:50	995.1	-1500.0
11:35	12:25	69.4	-1500.0	8:05	3:55	1044.7	-1500.0
11:30	12:30	83.5	-1500.0	8:00	4:00	1098.0	-1500.0
11:25	12:35	97.6	-1500.0	7:55	4:05	1155.5	-1500.0
11:20	12:40	111.8	-1500.0	7:50	4:10	1217.8	-1500.0
11:15	12:45	126.1	-1500.0	7:45	4:15	1285.5	-1500.0
11:10	12:50	140.5	-1500.0	7:40	4:20	1359.5	-1500.0
11:05	12:55	155.1	-1500.0	7:35	4:25	1440.7	-1500.0
11:00	1:00	169.9	-1500.0	7:30	4:30	1500.0	-1470.2
10:55	1:05	184.8	-1500.0	7:25	4:35	1500.0	-1380.2
10:50	1:10	199.9	-1500.0	7:20	4:40	1500.0	-1291.8
10:45	1:15	215.2	-1500.0	7:15	4:45	1500.0	-1204.8
10:40	1:20	230.7	-1500.0	7:10	4:50	1500.0	-1119.1
10:35	1:25	246.5	-1500.0	7:05	4:55	1500.0	-1034.5
10:30	1:30	262.6	-1500.0	7:00	5:00	1500.0	-951.0
10:25	1:35	278.9	-1500.0	6:55	5:05	1500.0	-868.5
10:20	1:40	295.6	-1500.0	6:50	5:10	1500.0	-786.9
10:15	1:45	312.6	-1500.0	6:45	5:15	1500.0	-706.0
10:10	1:50	330.0	-1500.0	6:40	5:20	1500.0	-625.8
10:05	1:55	347.8	-1500.0	6:35	5:25	1500.0	-546.3
10:00	2:00	366.0	-1500.0	6:30	5:30	1500.0	-467.3
9:55	2:05	384.7	-1500.0	6:25	5:35	1500.0	-388.7
9:50	2:10	403.9	-1500.0	6:20	5:40	1500.0	-310.5
9:45	2:15	423.6	-1500.0	6:15	5:45	1500.0	-232.6
9:40	2:20	443.9	-1500.0	6:10	5:50	1500.0	-155.0
9:35	2:25	464.8	-1500.0	6:05	5:55	1500.0	-77.4
9:30	2:30	486.4	-1500.0	6:00	6:00	1500.0	0.0
9:25	2:35	508.8	-1500.0	5:55	6:05	1500.0	77.4
9:20	2:40	531.9	-1500.0	5:50	6:10	1500.0	155.0
9:15	2:45	555.9	-1500.0	5:45	6:15	1500.0	232.6
9:10	2:50	580.9	-1500.0	5:40	6:20	1500.0	310.5
9:05	2:55	606.9	-1500.0	5:35	6:25	1500.0	388.7
9:00	3:00	633.9	-1500.0	5:30	6:30	1500.0	467.3
8:55	3:05	662.2	-1500.0	5:25	6:35	1500.0	546.3
8:50	3:10	691.8	-1500.0	5:20	6:40	1500.0	625.8
8:45	3:15	722.9	-1500.0	5:15	6:45	1500.0	706.0
8:40	3:20	755.5	-1500.0	5:10	6:50	1500.0	786.9
8:35	3:25	789.9	-1500.0	5:05	6:55	1500.0	868.5
8:30	3:30	826.2	-1500.0	5:00	7:00	1500.0	951.0