

# The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

## Horizontal Shadow Plane Sundial

Latitude: 35.0° N/S

Earliest Sunrise: 4:45 a.m. Latest Sunset: 7:15 p.m.

E-W Dimension: 1000 mm

Local Time		X	Y	Local Time		X	Y	Local Time		X	Y
12:00		0.0	-500.0								
11:55	12:05	6.3	-500.0	8:25	3:35	391.1	-500.0	4:55	7:05	500.0	254.1
11:50	12:10	12.5	-500.0	8:20	3:40	409.6	-500.0	4:50	7:10	500.0	274.9
11:45	12:15	18.8	-500.0	8:15	3:45	429.2	-500.0	4:45	7:15	500.0	295.9
11:40	12:20	25.1	-500.0	8:10	3:50	450.2	-500.0				
11:35	12:25	31.4	-500.0	8:05	3:55	472.6	-500.0				
11:30	12:30	37.8	-500.0	8:00	4:00	496.7	-500.0				
11:25	12:35	44.1	-500.0	7:55	4:05	500.0	-478.2				
11:20	12:40	50.6	-500.0	7:50	4:10	500.0	-453.8				
11:15	12:45	57.0	-500.0	7:45	4:15	500.0	-429.9				
11:10	12:50	63.6	-500.0	7:40	4:20	500.0	-406.5				
11:05	12:55	70.2	-500.0	7:35	4:25	500.0	-383.6				
11:00	1:00	76.8	-500.0	7:30	4:30	500.0	-361.1				
10:55	1:05	83.6	-500.0	7:25	4:35	500.0	-339.0				
10:50	1:10	90.4	-500.0	7:20	4:40	500.0	-317.3				
10:45	1:15	97.4	-500.0	7:15	4:45	500.0	-295.9				
10:40	1:20	104.4	-500.0	7:10	4:50	500.0	-274.9				
10:35	1:25	111.5	-500.0	7:05	4:55	500.0	-254.1				
10:30	1:30	118.8	-500.0	7:00	5:00	500.0	-233.6				
10:25	1:35	126.2	-500.0	6:55	5:05	500.0	-213.3				
10:20	1:40	133.7	-500.0	6:50	5:10	500.0	-193.3				
10:15	1:45	141.4	-500.0	6:45	5:15	500.0	-173.4				
10:10	1:50	149.3	-500.0	6:40	5:20	500.0	-153.7				
10:05	1:55	157.3	-500.0	6:35	5:25	500.0	-134.2				
10:00	2:00	165.6	-500.0	6:30	5:30	500.0	-114.8				
9:55	2:05	174.0	-500.0	6:25	5:35	500.0	-95.5				
9:50	2:10	182.7	-500.0	6:20	5:40	500.0	-76.3				
9:45	2:15	191.6	-500.0	6:15	5:45	500.0	-57.1				
9:40	2:20	200.8	-500.0	6:10	5:50	500.0	-38.1				
9:35	2:25	210.3	-500.0	6:05	5:55	500.0	-19.0				
9:30	2:30	220.1	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	230.2	-500.0	5:55	6:05	500.0	19.0				
9:20	2:40	240.6	-500.0	5:50	6:10	500.0	38.1				
9:15	2:45	251.5	-500.0	5:45	6:15	500.0	57.1				
9:10	2:50	262.8	-500.0	5:40	6:20	500.0	76.3				
9:05	2:55	274.5	-500.0	5:35	6:25	500.0	95.5				
9:00	3:00	286.8	-500.0	5:30	6:30	500.0	114.8				
8:55	3:05	299.6	-500.0	5:25	6:35	500.0	134.2				
8:50	3:10	313.0	-500.0	5:20	6:40	500.0	153.7				
8:45	3:15	327.0	-500.0	5:15	6:45	500.0	173.4				
8:40	3:20	341.8	-500.0	5:10	6:50	500.0	193.3				
8:35	3:25	357.3	-500.0	5:05	6:55	500.0	213.3				
8:30	3:30	373.7	-500.0	5:00	7:00	500.0	233.6				

## Horizontal Shadow Plane Sundial

Latitude: 35.0° N/S

Earliest Sunrise: 4:45 a.m. Latest Sunset: 7:15 p.m.

E-W Dimension: 3000 mm

Local Time		X	Y	Local Time		X	Y	Local Time		X	Y
12:00		0.0	-1500.0								
11:55	12:05	18.8	-1500.0	8:25	3:35	1173.4	-1500.0	4:55	7:05	1500.0	762.3
11:50	12:10	37.6	-1500.0	8:20	3:40	1228.7	-1500.0	4:50	7:10	1500.0	824.6
11:45	12:15	56.4	-1500.0	8:15	3:45	1287.6	-1500.0	4:45	7:15	1500.0	887.7
11:40	12:20	75.3	-1500.0	8:10	3:50	1350.5	-1500.0				
11:35	12:25	94.2	-1500.0	8:05	3:55	1417.8	-1500.0				
11:30	12:30	113.3	-1500.0	8:00	4:00	1490.2	-1500.0				
11:25	12:35	132.4	-1500.0	7:55	4:05	1500.0	-1434.7				
11:20	12:40	151.7	-1500.0	7:50	4:10	1500.0	-1361.4				
11:15	12:45	171.1	-1500.0	7:45	4:15	1500.0	-1289.7				
11:10	12:50	190.7	-1500.0	7:40	4:20	1500.0	-1219.5				
11:05	12:55	210.5	-1500.0	7:35	4:25	1500.0	-1150.7				
11:00	1:00	230.5	-1500.0	7:30	4:30	1500.0	-1083.2				
10:55	1:05	250.8	-1500.0	7:25	4:35	1500.0	-1017.0				
10:50	1:10	271.3	-1500.0	7:20	4:40	1500.0	-951.8				
10:45	1:15	292.1	-1500.0	7:15	4:45	1500.0	-887.7				
10:40	1:20	313.1	-1500.0	7:10	4:50	1500.0	-824.6				
10:35	1:25	334.6	-1500.0	7:05	4:55	1500.0	-762.3				
10:30	1:30	356.4	-1500.0	7:00	5:00	1500.0	-700.7				
10:25	1:35	378.6	-1500.0	6:55	5:05	1500.0	-639.9				
10:20	1:40	401.2	-1500.0	6:50	5:10	1500.0	-579.8				
10:15	1:45	424.3	-1500.0	6:45	5:15	1500.0	-520.2				
10:10	1:50	447.9	-1500.0	6:40	5:20	1500.0	-461.1				
10:05	1:55	472.0	-1500.0	6:35	5:25	1500.0	-402.5				
10:00	2:00	496.7	-1500.0	6:30	5:30	1500.0	-344.3				
9:55	2:05	522.1	-1500.0	6:25	5:35	1500.0	-286.4				
9:50	2:10	548.1	-1500.0	6:20	5:40	1500.0	-228.8				
9:45	2:15	574.9	-1500.0	6:15	5:45	1500.0	-171.4				
9:40	2:20	602.4	-1500.0	6:10	5:50	1500.0	-114.2				
9:35	2:25	630.8	-1500.0	6:05	5:55	1500.0	-57.1				
9:30	2:30	660.2	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	690.5	-1500.0	5:55	6:05	1500.0	57.1				
9:20	2:40	721.9	-1500.0	5:50	6:10	1500.0	114.2				
9:15	2:45	754.5	-1500.0	5:45	6:15	1500.0	171.4				
9:10	2:50	788.4	-1500.0	5:40	6:20	1500.0	228.8				
9:05	2:55	823.6	-1500.0	5:35	6:25	1500.0	286.4				
9:00	3:00	860.4	-1500.0	5:30	6:30	1500.0	344.3				
8:55	3:05	898.7	-1500.0	5:25	6:35	1500.0	402.5				
8:50	3:10	938.9	-1500.0	5:20	6:40	1500.0	461.1				
8:45	3:15	981.1	-1500.0	5:15	6:45	1500.0	520.2				
8:40	3:20	1025.3	-1500.0	5:10	6:50	1500.0	579.8				
8:35	3:25	1072.0	-1500.0	5:05	6:55	1500.0	639.9				
8:30	3:30	1121.2	-1500.0	5:00	7:00	1500.0	700.7				