

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 37.0° N/S

Earliest Sunrise: 4:38 a.m. Latest Sunset: 7:22 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	6.6	-500.0	8:25	3:35	410.4	-500.0	4:55	7:05	500.0	242.2
11:50	12:10	13.1	-500.0	8:20	3:40	429.7	-500.0	4:50	7:10	500.0	262.0
11:45	12:15	19.7	-500.0	8:15	3:45	450.3	-500.0	4:45	7:15	500.0	282.0
11:40	12:20	26.3	-500.0	8:10	3:50	472.3	-500.0	4:40	7:20	500.0	302.4
11:35	12:25	33.0	-500.0	8:05	3:55	495.9	-500.0	4:35	7:25	500.0	323.1
11:30	12:30	39.6	-500.0	8:00	4:00	500.0	-479.7	4:30	7:30	500.0	344.1
11:25	12:35	46.3	-500.0	7:55	4:05	500.0	-455.8				
11:20	12:40	53.1	-500.0	7:50	4:10	500.0	-432.5				
11:15	12:45	59.9	-500.0	7:45	4:15	500.0	-409.7				
11:10	12:50	66.7	-500.0	7:40	4:20	500.0	-387.4				
11:05	12:55	73.6	-500.0	7:35	4:25	500.0	-365.6				
11:00	1:00	80.6	-500.0	7:30	4:30	500.0	-344.1				
10:55	1:05	87.7	-500.0	7:25	4:35	500.0	-323.1				
10:50	1:10	94.9	-500.0	7:20	4:40	500.0	-302.4				
10:45	1:15	102.1	-500.0	7:15	4:45	500.0	-282.0				
10:40	1:20	109.5	-500.0	7:10	4:50	500.0	-262.0				
10:35	1:25	117.0	-500.0	7:05	4:55	500.0	-242.2				
10:30	1:30	124.6	-500.0	7:00	5:00	500.0	-222.6				
10:25	1:35	132.4	-500.0	6:55	5:05	500.0	-203.3				
10:20	1:40	140.3	-500.0	6:50	5:10	500.0	-184.2				
10:15	1:45	148.4	-500.0	6:45	5:15	500.0	-165.3				
10:10	1:50	156.6	-500.0	6:40	5:20	500.0	-146.5				
10:05	1:55	165.1	-500.0	6:35	5:25	500.0	-127.9				
10:00	2:00	173.7	-500.0	6:30	5:30	500.0	-109.4				
9:55	2:05	182.6	-500.0	6:25	5:35	500.0	-91.0				
9:50	2:10	191.7	-500.0	6:20	5:40	500.0	-72.7				
9:45	2:15	201.1	-500.0	6:15	5:45	500.0	-54.5				
9:40	2:20	210.7	-500.0	6:10	5:50	500.0	-36.3				
9:35	2:25	220.6	-500.0	6:05	5:55	500.0	-18.1				
9:30	2:30	230.9	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	241.5	-500.0	5:55	6:05	500.0	18.1				
9:20	2:40	252.5	-500.0	5:50	6:10	500.0	36.3				
9:15	2:45	263.9	-500.0	5:45	6:15	500.0	54.5				
9:10	2:50	275.7	-500.0	5:40	6:20	500.0	72.7				
9:05	2:55	288.1	-500.0	5:35	6:25	500.0	91.0				
9:00	3:00	300.9	-500.0	5:30	6:30	500.0	109.4				
8:55	3:05	314.3	-500.0	5:25	6:35	500.0	127.9				
8:50	3:10	328.4	-500.0	5:20	6:40	500.0	146.5				
8:45	3:15	343.1	-500.0	5:15	6:45	500.0	165.3				
8:40	3:20	358.6	-500.0	5:10	6:50	500.0	184.2				
8:35	3:25	374.9	-500.0	5:05	6:55	500.0	203.3				
8:30	3:30	392.2	-500.0	5:00	7:00	500.0	222.6				

Horizontal Shadow Plane Sundial

Latitude: 37.0° N/S

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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	19.7	-1500.0	8:25	3:35	1231.2	-1500.0	4:55	7:05	1500.0	726.5
11:50	12:10	39.4	-1500.0	8:20	3:40	1289.2	-1500.0	4:50	7:10	1500.0	785.9
11:45	12:15	59.2	-1500.0	8:15	3:45	1351.0	-1500.0	4:45	7:15	1500.0	846.1
11:40	12:20	79.0	-1500.0	8:10	3:50	1417.0	-1500.0	4:40	7:20	1500.0	907.2
11:35	12:25	98.9	-1500.0	8:05	3:55	1487.6	-1500.0	4:35	7:25	1500.0	969.3
11:30	12:30	118.8	-1500.0	8:00	4:00	1500.0	-1439.0	4:30	7:30	1500.0	1032.4
11:25	12:35	138.9	-1500.0	7:55	4:05	1500.0	-1367.4				
11:20	12:40	159.2	-1500.0	7:50	4:10	1500.0	-1297.5				
11:15	12:45	179.6	-1500.0	7:45	4:15	1500.0	-1229.1				
11:10	12:50	200.1	-1500.0	7:40	4:20	1500.0	-1162.3				
11:05	12:55	220.9	-1500.0	7:35	4:25	1500.0	-1096.7				
11:00	1:00	241.9	-1500.0	7:30	4:30	1500.0	-1032.4				
10:55	1:05	263.1	-1500.0	7:25	4:35	1500.0	-969.3				
10:50	1:10	284.6	-1500.0	7:20	4:40	1500.0	-907.2				
10:45	1:15	306.4	-1500.0	7:15	4:45	1500.0	-846.1				
10:40	1:20	328.6	-1500.0	7:10	4:50	1500.0	-785.9				
10:35	1:25	351.0	-1500.0	7:05	4:55	1500.0	-726.5				
10:30	1:30	373.9	-1500.0	7:00	5:00	1500.0	-667.9				
10:25	1:35	397.2	-1500.0	6:55	5:05	1500.0	-609.9				
10:20	1:40	420.9	-1500.0	6:50	5:10	1500.0	-552.6				
10:15	1:45	445.2	-1500.0	6:45	5:15	1500.0	-495.8				
10:10	1:50	469.9	-1500.0	6:40	5:20	1500.0	-439.5				
10:05	1:55	495.3	-1500.0	6:35	5:25	1500.0	-383.6				
10:00	2:00	521.2	-1500.0	6:30	5:30	1500.0	-328.1				
9:55	2:05	547.8	-1500.0	6:25	5:35	1500.0	-273.0				
9:50	2:10	575.1	-1500.0	6:20	5:40	1500.0	-218.1				
9:45	2:15	603.2	-1500.0	6:15	5:45	1500.0	-163.4				
9:40	2:20	632.1	-1500.0	6:10	5:50	1500.0	-108.8				
9:35	2:25	661.9	-1500.0	6:05	5:55	1500.0	-54.4				
9:30	2:30	692.7	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	724.5	-1500.0	5:55	6:05	1500.0	54.4				
9:20	2:40	757.5	-1500.0	5:50	6:10	1500.0	108.8				
9:15	2:45	791.7	-1500.0	5:45	6:15	1500.0	163.4				
9:10	2:50	827.2	-1500.0	5:40	6:20	1500.0	218.1				
9:05	2:55	864.2	-1500.0	5:35	6:25	1500.0	273.0				
9:00	3:00	902.7	-1500.0	5:30	6:30	1500.0	328.1				
8:55	3:05	943.0	-1500.0	5:25	6:35	1500.0	383.6				
8:50	3:10	985.1	-1500.0	5:20	6:40	1500.0	439.5				
8:45	3:15	1029.4	-1500.0	5:15	6:45	1500.0	495.8				
8:40	3:20	1075.8	-1500.0	5:10	6:50	1500.0	552.6				
8:35	3:25	1124.8	-1500.0	5:05	6:55	1500.0	609.9				
8:30	3:30	1176.5	-1500.0	5:00	7:00	1500.0	667.9				