

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 29.5° N/S

Earliest Sunrise: 4:59 a.m. Latest Sunset: 7:01 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	5.4	-500.0	8:25	3:35	335.8	-500.0	4:55	7:05	500.0	296.0
11:50	12:10	10.7	-500.0	8:20	3:40	351.6	-500.0	4:50	7:10	500.0	320.1
11:45	12:15	16.1	-500.0	8:15	3:45	368.5	-500.0	4:45	7:15	500.0	344.7
11:40	12:20	21.5	-500.0	8:10	3:50	386.5	-500.0				
11:35	12:25	27.0	-500.0	8:05	3:55	405.7	-500.0				
11:30	12:30	32.4	-500.0	8:00	4:00	426.5	-500.0				
11:25	12:35	37.9	-500.0	7:55	4:05	448.8	-500.0				
11:20	12:40	43.4	-500.0	7:50	4:10	473.0	-500.0				
11:15	12:45	49.0	-500.0	7:45	4:15	499.3	-500.0				
11:10	12:50	54.6	-500.0	7:40	4:20	500.0	-473.5				
11:05	12:55	60.2	-500.0	7:35	4:25	500.0	-446.8				
11:00	1:00	66.0	-500.0	7:30	4:30	500.0	-420.6				
10:55	1:05	71.8	-500.0	7:25	4:35	500.0	-394.9				
10:50	1:10	77.6	-500.0	7:20	4:40	500.0	-369.6				
10:45	1:15	83.6	-500.0	7:15	4:45	500.0	-344.7				
10:40	1:20	89.6	-500.0	7:10	4:50	500.0	-320.1				
10:35	1:25	95.7	-500.0	7:05	4:55	500.0	-296.0				
10:30	1:30	102.0	-500.0	7:00	5:00	500.0	-272.1				
10:25	1:35	108.3	-500.0	6:55	5:05	500.0	-248.5				
10:20	1:40	114.8	-500.0	6:50	5:10	500.0	-225.1				
10:15	1:45	121.4	-500.0	6:45	5:15	500.0	-202.0				
10:10	1:50	128.2	-500.0	6:40	5:20	500.0	-179.0				
10:05	1:55	135.1	-500.0	6:35	5:25	500.0	-156.3				
10:00	2:00	142.2	-500.0	6:30	5:30	500.0	-133.7				
9:55	2:05	149.4	-500.0	6:25	5:35	500.0	-111.2				
9:50	2:10	156.9	-500.0	6:20	5:40	500.0	-88.8				
9:45	2:15	164.5	-500.0	6:15	5:45	500.0	-66.6				
9:40	2:20	172.4	-500.0	6:10	5:50	500.0	-44.3				
9:35	2:25	180.5	-500.0	6:05	5:55	500.0	-22.2				
9:30	2:30	188.9	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	197.6	-500.0	5:55	6:05	500.0	22.2				
9:20	2:40	206.6	-500.0	5:50	6:10	500.0	44.3				
9:15	2:45	215.9	-500.0	5:45	6:15	500.0	66.6				
9:10	2:50	225.6	-500.0	5:40	6:20	500.0	88.8				
9:05	2:55	235.7	-500.0	5:35	6:25	500.0	111.2				
9:00	3:00	246.2	-500.0	5:30	6:30	500.0	133.7				
8:55	3:05	257.2	-500.0	5:25	6:35	500.0	156.3				
8:50	3:10	268.7	-500.0	5:20	6:40	500.0	179.0				
8:45	3:15	280.8	-500.0	5:15	6:45	500.0	202.0				
8:40	3:20	293.4	-500.0	5:10	6:50	500.0	225.1				
8:35	3:25	306.8	-500.0	5:05	6:55	500.0	248.5				
8:30	3:30	320.9	-500.0	5:00	7:00	500.0	272.1				

Horizontal Shadow Plane Sundial

Latitude: 29.5° N/S

Earliest Sunrise: 4:59 a.m. Latest Sunset: 7:01 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	16.1	-1500.0	8:25	3:35	1007.4	-1500.0	4:55	7:05	1500.0	887.9
11:50	12:10	32.2	-1500.0	8:20	3:40	1054.9	-1500.0	4:50	7:10	1500.0	960.4
11:45	12:15	48.4	-1500.0	8:15	3:45	1105.4	-1500.0	4:45	7:15	1500.0	1034.0
11:40	12:20	64.6	-1500.0	8:10	3:50	1159.4	-1500.0				
11:35	12:25	80.9	-1500.0	8:05	3:55	1217.2	-1500.0				
11:30	12:30	97.2	-1500.0	8:00	4:00	1279.4	-1500.0				
11:25	12:35	113.7	-1500.0	7:55	4:05	1346.4	-1500.0				
11:20	12:40	130.2	-1500.0	7:50	4:10	1418.9	-1500.0				
11:15	12:45	146.9	-1500.0	7:45	4:15	1497.8	-1500.0				
11:10	12:50	163.8	-1500.0	7:40	4:20	1500.0	-1420.4				
11:05	12:55	180.7	-1500.0	7:35	4:25	1500.0	-1340.3				
11:00	1:00	197.9	-1500.0	7:30	4:30	1500.0	-1261.8				
10:55	1:05	215.3	-1500.0	7:25	4:35	1500.0	-1184.6				
10:50	1:10	232.9	-1500.0	7:20	4:40	1500.0	-1108.7				
10:45	1:15	250.7	-1500.0	7:15	4:45	1500.0	-1034.0				
10:40	1:20	268.8	-1500.0	7:10	4:50	1500.0	-960.4				
10:35	1:25	287.2	-1500.0	7:05	4:55	1500.0	-887.9				
10:30	1:30	306.0	-1500.0	7:00	5:00	1500.0	-816.2				
10:25	1:35	325.0	-1500.0	6:55	5:05	1500.0	-745.4				
10:20	1:40	344.4	-1500.0	6:50	5:10	1500.0	-675.3				
10:15	1:45	364.3	-1500.0	6:45	5:15	1500.0	-605.9				
10:10	1:50	384.5	-1500.0	6:40	5:20	1500.0	-537.1				
10:05	1:55	405.2	-1500.0	6:35	5:25	1500.0	-468.8				
10:00	2:00	426.5	-1500.0	6:30	5:30	1500.0	-401.0				
9:55	2:05	448.2	-1500.0	6:25	5:35	1500.0	-333.6				
9:50	2:10	470.6	-1500.0	6:20	5:40	1500.0	-266.5				
9:45	2:15	493.5	-1500.0	6:15	5:45	1500.0	-199.7				
9:40	2:20	517.2	-1500.0	6:10	5:50	1500.0	-133.0				
9:35	2:25	541.6	-1500.0	6:05	5:55	1500.0	-66.5				
9:30	2:30	566.8	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	592.8	-1500.0	5:55	6:05	1500.0	66.5				
9:20	2:40	619.8	-1500.0	5:50	6:10	1500.0	133.0				
9:15	2:45	647.8	-1500.0	5:45	6:15	1500.0	199.7				
9:10	2:50	676.8	-1500.0	5:40	6:20	1500.0	266.5				
9:05	2:55	707.1	-1500.0	5:35	6:25	1500.0	333.6				
9:00	3:00	738.6	-1500.0	5:30	6:30	1500.0	401.0				
8:55	3:05	771.6	-1500.0	5:25	6:35	1500.0	468.8				
8:50	3:10	806.1	-1500.0	5:20	6:40	1500.0	537.1				
8:45	3:15	842.3	-1500.0	5:15	6:45	1500.0	605.9				
8:40	3:20	880.3	-1500.0	5:10	6:50	1500.0	675.3				
8:35	3:25	920.3	-1500.0	5:05	6:55	1500.0	745.4				
8:30	3:30	962.6	-1500.0	5:00	7:00	1500.0	816.2				