

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 39.5° N/S

Earliest Sunrise: 4:31 a.m. Latest Sunset: 7:29 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	6.9	-500.0	8:25	3:35	433.8	-500.0	4:55	7:05	500.0	229.1
11:50	12:10	13.9	-500.0	8:20	3:40	454.2	-500.0	4:50	7:10	500.0	247.8
11:45	12:15	20.8	-500.0	8:15	3:45	476.0	-500.0	4:45	7:15	500.0	266.8
11:40	12:20	27.8	-500.0	8:10	3:50	499.2	-500.0	4:40	7:20	500.0	286.1
11:35	12:25	34.8	-500.0	8:05	3:55	500.0	-477.0	4:35	7:25	500.0	305.7
11:30	12:30	41.9	-500.0	8:00	4:00	500.0	-453.8	4:30	7:30	500.0	325.6
11:25	12:35	49.0	-500.0	7:55	4:05	500.0	-431.3				
11:20	12:40	56.1	-500.0	7:50	4:10	500.0	-409.2				
11:15	12:45	63.3	-500.0	7:45	4:15	500.0	-387.6				
11:10	12:50	70.5	-500.0	7:40	4:20	500.0	-366.5				
11:05	12:55	77.8	-500.0	7:35	4:25	500.0	-345.9				
11:00	1:00	85.2	-500.0	7:30	4:30	500.0	-325.6				
10:55	1:05	92.7	-500.0	7:25	4:35	500.0	-305.7				
10:50	1:10	100.3	-500.0	7:20	4:40	500.0	-286.1				
10:45	1:15	108.0	-500.0	7:15	4:45	500.0	-266.8				
10:40	1:20	115.8	-500.0	7:10	4:50	500.0	-247.8				
10:35	1:25	123.7	-500.0	7:05	4:55	500.0	-229.1				
10:30	1:30	131.7	-500.0	7:00	5:00	500.0	-210.6				
10:25	1:35	139.9	-500.0	6:55	5:05	500.0	-192.3				
10:20	1:40	148.3	-500.0	6:50	5:10	500.0	-174.3				
10:15	1:45	156.8	-500.0	6:45	5:15	500.0	-156.4				
10:10	1:50	165.6	-500.0	6:40	5:20	500.0	-138.6				
10:05	1:55	174.5	-500.0	6:35	5:25	500.0	-121.0				
10:00	2:00	183.6	-500.0	6:30	5:30	500.0	-103.5				
9:55	2:05	193.0	-500.0	6:25	5:35	500.0	-86.1				
9:50	2:10	202.6	-500.0	6:20	5:40	500.0	-68.8				
9:45	2:15	212.5	-500.0	6:15	5:45	500.0	-51.5				
9:40	2:20	222.7	-500.0	6:10	5:50	500.0	-34.3				
9:35	2:25	233.2	-500.0	6:05	5:55	500.0	-17.2				
9:30	2:30	244.0	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	255.3	-500.0	5:55	6:05	500.0	17.2				
9:20	2:40	266.9	-500.0	5:50	6:10	500.0	34.3				
9:15	2:45	278.9	-500.0	5:45	6:15	500.0	51.5				
9:10	2:50	291.4	-500.0	5:40	6:20	500.0	68.8				
9:05	2:55	304.5	-500.0	5:35	6:25	500.0	86.1				
9:00	3:00	318.0	-500.0	5:30	6:30	500.0	103.5				
8:55	3:05	332.2	-500.0	5:25	6:35	500.0	121.0				
8:50	3:10	347.1	-500.0	5:20	6:40	500.0	138.6				
8:45	3:15	362.7	-500.0	5:15	6:45	500.0	156.4				
8:40	3:20	379.0	-500.0	5:10	6:50	500.0	174.3				
8:35	3:25	396.3	-500.0	5:05	6:55	500.0	192.3				
8:30	3:30	414.5	-500.0	5:00	7:00	500.0	210.6				

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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	20.8	-1500.0	8:25	3:35	1301.3	-1500.0	4:55	7:05	1500.0	687.4
11:50	12:10	41.7	-1500.0	8:20	3:40	1362.6	-1500.0	4:50	7:10	1500.0	743.5
11:45	12:15	62.5	-1500.0	8:15	3:45	1427.9	-1500.0	4:45	7:15	1500.0	800.5
11:40	12:20	83.5	-1500.0	8:10	3:50	1497.7	-1500.0	4:40	7:20	1500.0	858.3
11:35	12:25	104.5	-1500.0	8:05	3:55	1500.0	-1431.0	4:35	7:25	1500.0	917.1
11:30	12:30	125.6	-1500.0	8:00	4:00	1500.0	-1361.5	4:30	7:30	1500.0	976.8
11:25	12:35	146.9	-1500.0	7:55	4:05	1500.0	-1293.8				
11:20	12:40	168.2	-1500.0	7:50	4:10	1500.0	-1227.6				
11:15	12:45	189.8	-1500.0	7:45	4:15	1500.0	-1162.9				
11:10	12:50	211.5	-1500.0	7:40	4:20	1500.0	-1099.6				
11:05	12:55	233.5	-1500.0	7:35	4:25	1500.0	-1037.6				
11:00	1:00	255.7	-1500.0	7:30	4:30	1500.0	-976.8				
10:55	1:05	278.1	-1500.0	7:25	4:35	1500.0	-917.1				
10:50	1:10	300.8	-1500.0	7:20	4:40	1500.0	-858.3				
10:45	1:15	323.9	-1500.0	7:15	4:45	1500.0	-800.5				
10:40	1:20	347.3	-1500.0	7:10	4:50	1500.0	-743.5				
10:35	1:25	371.0	-1500.0	7:05	4:55	1500.0	-687.4				
10:30	1:30	395.2	-1500.0	7:00	5:00	1500.0	-631.9				
10:25	1:35	419.8	-1500.0	6:55	5:05	1500.0	-577.0				
10:20	1:40	444.9	-1500.0	6:50	5:10	1500.0	-522.8				
10:15	1:45	470.5	-1500.0	6:45	5:15	1500.0	-469.1				
10:10	1:50	496.7	-1500.0	6:40	5:20	1500.0	-415.8				
10:05	1:55	523.4	-1500.0	6:35	5:25	1500.0	-363.0				
10:00	2:00	550.9	-1500.0	6:30	5:30	1500.0	-310.5				
9:55	2:05	579.0	-1500.0	6:25	5:35	1500.0	-258.3				
9:50	2:10	607.8	-1500.0	6:20	5:40	1500.0	-206.3				
9:45	2:15	637.5	-1500.0	6:15	5:45	1500.0	-154.6				
9:40	2:20	668.1	-1500.0	6:10	5:50	1500.0	-103.0				
9:35	2:25	699.6	-1500.0	6:05	5:55	1500.0	-51.5				
9:30	2:30	732.1	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	765.8	-1500.0	5:55	6:05	1500.0	51.5				
9:20	2:40	800.6	-1500.0	5:50	6:10	1500.0	103.0				
9:15	2:45	836.7	-1500.0	5:45	6:15	1500.0	154.6				
9:10	2:50	874.3	-1500.0	5:40	6:20	1500.0	206.3				
9:05	2:55	913.4	-1500.0	5:35	6:25	1500.0	258.3				
9:00	3:00	954.1	-1500.0	5:30	6:30	1500.0	310.5				
8:55	3:05	996.7	-1500.0	5:25	6:35	1500.0	363.0				
8:50	3:10	1041.2	-1500.0	5:20	6:40	1500.0	415.8				
8:45	3:15	1088.0	-1500.0	5:15	6:45	1500.0	469.1				
8:40	3:20	1137.1	-1500.0	5:10	6:50	1500.0	522.8				
8:35	3:25	1188.8	-1500.0	5:05	6:55	1500.0	577.0				
8:30	3:30	1243.4	-1500.0	5:00	7:00	1500.0	631.9				