

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 40.0° N/S

Earliest Sunrise: 4:29 a.m. Latest Sunset: 7:31 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	7.0	-500.0	8:25	3:35	438.3	-500.0	4:55	7:05	500.0	226.7
11:50	12:10	14.0	-500.0	8:20	3:40	459.0	-500.0	4:50	7:10	500.0	245.3
11:45	12:15	21.1	-500.0	8:15	3:45	481.0	-500.0	4:45	7:15	500.0	264.0
11:40	12:20	28.1	-500.0	8:10	3:50	500.0	-495.6	4:40	7:20	500.0	283.1
11:35	12:25	35.2	-500.0	8:05	3:55	500.0	-472.0	4:35	7:25	500.0	302.5
11:30	12:30	42.3	-500.0	8:00	4:00	500.0	-449.1	4:30	7:30	500.0	322.2
11:25	12:35	49.5	-500.0	7:55	4:05	500.0	-426.7	4:25	7:35	500.0	342.3
11:20	12:40	56.7	-500.0	7:50	4:10	500.0	-404.9	4:20	7:40	500.0	362.7
11:15	12:45	63.9	-500.0	7:45	4:15	500.0	-383.6	4:15	7:45	500.0	383.6
11:10	12:50	71.3	-500.0	7:40	4:20	500.0	-362.7				
11:05	12:55	78.6	-500.0	7:35	4:25	500.0	-342.3				
11:00	1:00	86.1	-500.0	7:30	4:30	500.0	-322.2				
10:55	1:05	93.7	-500.0	7:25	4:35	500.0	-302.5				
10:50	1:10	101.3	-500.0	7:20	4:40	500.0	-283.1				
10:45	1:15	109.1	-500.0	7:15	4:45	500.0	-264.0				
10:40	1:20	117.0	-500.0	7:10	4:50	500.0	-245.3				
10:35	1:25	125.0	-500.0	7:05	4:55	500.0	-226.7				
10:30	1:30	133.1	-500.0	7:00	5:00	500.0	-208.4				
10:25	1:35	141.4	-500.0	6:55	5:05	500.0	-190.3				
10:20	1:40	149.9	-500.0	6:50	5:10	500.0	-172.4				
10:15	1:45	158.5	-500.0	6:45	5:15	500.0	-154.7				
10:10	1:50	167.3	-500.0	6:40	5:20	500.0	-137.2				
10:05	1:55	176.3	-500.0	6:35	5:25	500.0	-119.7				
10:00	2:00	185.6	-500.0	6:30	5:30	500.0	-102.4				
9:55	2:05	195.0	-500.0	6:25	5:35	500.0	-85.2				
9:50	2:10	204.8	-500.0	6:20	5:40	500.0	-68.1				
9:45	2:15	214.7	-500.0	6:15	5:45	500.0	-51.0				
9:40	2:20	225.0	-500.0	6:10	5:50	500.0	-34.0				
9:35	2:25	235.7	-500.0	6:05	5:55	500.0	-17.0				
9:30	2:30	246.6	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	257.9	-500.0	5:55	6:05	500.0	17.0				
9:20	2:40	269.7	-500.0	5:50	6:10	500.0	34.0				
9:15	2:45	281.9	-500.0	5:45	6:15	500.0	51.0				
9:10	2:50	294.5	-500.0	5:40	6:20	500.0	68.1				
9:05	2:55	307.7	-500.0	5:35	6:25	500.0	85.2				
9:00	3:00	321.4	-500.0	5:30	6:30	500.0	102.4				
8:55	3:05	335.7	-500.0	5:25	6:35	500.0	119.7				
8:50	3:10	350.7	-500.0	5:20	6:40	500.0	137.2				
8:45	3:15	366.5	-500.0	5:15	6:45	500.0	154.7				
8:40	3:20	383.0	-500.0	5:10	6:50	500.0	172.4				
8:35	3:25	400.4	-500.0	5:05	6:55	500.0	190.3				
8:30	3:30	418.8	-500.0	5:00	7:00	500.0	208.4				

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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	21.0	-1500.0	8:25	3:35	1315.0	-1500.0	4:55	7:05	1500.0	680.2
11:50	12:10	42.1	-1500.0	8:20	3:40	1377.0	-1500.0	4:50	7:10	1500.0	735.8
11:45	12:15	63.2	-1500.0	8:15	3:45	1443.0	-1500.0	4:45	7:15	1500.0	792.1
11:40	12:20	84.4	-1500.0	8:10	3:50	1500.0	-1486.7	4:40	7:20	1500.0	849.4
11:35	12:25	105.6	-1500.0	8:05	3:55	1500.0	-1416.1	4:35	7:25	1500.0	907.5
11:30	12:30	126.9	-1500.0	8:00	4:00	1500.0	-1347.3	4:30	7:30	1500.0	966.6
11:25	12:35	148.4	-1500.0	7:55	4:05	1500.0	-1280.2	4:25	7:35	1500.0	1026.8
11:20	12:40	170.0	-1500.0	7:50	4:10	1500.0	-1214.8	4:20	7:40	1500.0	1088.2
11:15	12:45	191.8	-1500.0	7:45	4:15	1500.0	-1150.8	4:15	7:45	1500.0	1150.8
11:10	12:50	213.8	-1500.0	7:40	4:20	1500.0	-1088.2				
11:05	12:55	235.9	-1500.0	7:35	4:25	1500.0	-1026.8				
11:00	1:00	258.4	-1500.0	7:30	4:30	1500.0	-966.6				
10:55	1:05	281.0	-1500.0	7:25	4:35	1500.0	-907.5				
10:50	1:10	304.0	-1500.0	7:20	4:40	1500.0	-849.4				
10:45	1:15	327.3	-1500.0	7:15	4:45	1500.0	-792.1				
10:40	1:20	350.9	-1500.0	7:10	4:50	1500.0	-735.8				
10:35	1:25	374.9	-1500.0	7:05	4:55	1500.0	-680.2				
10:30	1:30	399.4	-1500.0	7:00	5:00	1500.0	-625.3				
10:25	1:35	424.2	-1500.0	6:55	5:05	1500.0	-571.0				
10:20	1:40	449.6	-1500.0	6:50	5:10	1500.0	-517.3				
10:15	1:45	475.5	-1500.0	6:45	5:15	1500.0	-464.2				
10:10	1:50	501.9	-1500.0	6:40	5:20	1500.0	-411.5				
10:05	1:55	529.0	-1500.0	6:35	5:25	1500.0	-359.2				
10:00	2:00	556.7	-1500.0	6:30	5:30	1500.0	-307.2				
9:55	2:05	585.1	-1500.0	6:25	5:35	1500.0	-255.6				
9:50	2:10	614.3	-1500.0	6:20	5:40	1500.0	-204.2				
9:45	2:15	644.2	-1500.0	6:15	5:45	1500.0	-153.0				
9:40	2:20	675.1	-1500.0	6:10	5:50	1500.0	-101.9				
9:35	2:25	707.0	-1500.0	6:05	5:55	1500.0	-50.9				
9:30	2:30	739.8	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	773.8	-1500.0	5:55	6:05	1500.0	50.9				
9:20	2:40	809.0	-1500.0	5:50	6:10	1500.0	101.9				
9:15	2:45	845.6	-1500.0	5:45	6:15	1500.0	153.0				
9:10	2:50	883.5	-1500.0	5:40	6:20	1500.0	204.2				
9:05	2:55	923.0	-1500.0	5:35	6:25	1500.0	255.6				
9:00	3:00	964.2	-1500.0	5:30	6:30	1500.0	307.2				
8:55	3:05	1007.2	-1500.0	5:25	6:35	1500.0	359.2				
8:50	3:10	1052.2	-1500.0	5:20	6:40	1500.0	411.5				
8:45	3:15	1099.4	-1500.0	5:15	6:45	1500.0	464.2				
8:40	3:20	1149.1	-1500.0	5:10	6:50	1500.0	517.3				
8:35	3:25	1201.3	-1500.0	5:05	6:55	1500.0	571.0				
8:30	3:30	1256.5	-1500.0	5:00	7:00	1500.0	625.3				