

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 46.5° N/S

Earliest Sunrise: 4:05 a.m. Latest Sunset: 7:55 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	7.9	-500.0	8:25	3:35	494.6	-500.0	4:55	7:05	500.0	200.9
11:50	12:10	15.8	-500.0	8:20	3:40	500.0	-482.7	4:50	7:10	500.0	217.3
11:45	12:15	23.8	-500.0	8:15	3:45	500.0	-460.6	4:45	7:15	500.0	234.0
11:40	12:20	31.7	-500.0	8:10	3:50	500.0	-439.1	4:40	7:20	500.0	250.9
11:35	12:25	39.7	-500.0	8:05	3:55	500.0	-418.3	4:35	7:25	500.0	268.1
11:30	12:30	47.7	-500.0	8:00	4:00	500.0	-398.0	4:30	7:30	500.0	285.5
11:25	12:35	55.8	-500.0	7:55	4:05	500.0	-378.2	4:25	7:35	500.0	303.3
11:20	12:40	64.0	-500.0	7:50	4:10	500.0	-358.8	4:20	7:40	500.0	321.4
11:15	12:45	72.1	-500.0	7:45	4:15	500.0	-339.9	4:15	7:45	500.0	339.9
11:10	12:50	80.4	-500.0	7:40	4:20	500.0	-321.4	4:10	7:50	500.0	358.8
11:05	12:55	88.7	-500.0	7:35	4:25	500.0	-303.3	4:05	7:55	500.0	378.2
11:00	1:00	97.2	-500.0	7:30	4:30	500.0	-285.5	4:00	8:00	500.0	398.0
10:55	1:05	105.7	-500.0	7:25	4:35	500.0	-268.1				
10:50	1:10	114.4	-500.0	7:20	4:40	500.0	-250.9				
10:45	1:15	123.1	-500.0	7:15	4:45	500.0	-234.0				
10:40	1:20	132.0	-500.0	7:10	4:50	500.0	-217.3				
10:35	1:25	141.0	-500.0	7:05	4:55	500.0	-200.9				
10:30	1:30	150.2	-500.0	7:00	5:00	500.0	-184.7				
10:25	1:35	159.6	-500.0	6:55	5:05	500.0	-168.7				
10:20	1:40	169.1	-500.0	6:50	5:10	500.0	-152.8				
10:15	1:45	178.9	-500.0	6:45	5:15	500.0	-137.1				
10:10	1:50	188.8	-500.0	6:40	5:20	500.0	-121.5				
10:05	1:55	199.0	-500.0	6:35	5:25	500.0	-106.1				
10:00	2:00	209.4	-500.0	6:30	5:30	500.0	-90.7				
9:55	2:05	220.1	-500.0	6:25	5:35	500.0	-75.5				
9:50	2:10	231.1	-500.0	6:20	5:40	500.0	-60.3				
9:45	2:15	242.3	-500.0	6:15	5:45	500.0	-45.2				
9:40	2:20	254.0	-500.0	6:10	5:50	500.0	-30.1				
9:35	2:25	265.9	-500.0	6:05	5:55	500.0	-15.0				
9:30	2:30	278.3	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	291.1	-500.0	5:55	6:05	500.0	15.0				
9:20	2:40	304.3	-500.0	5:50	6:10	500.0	30.1				
9:15	2:45	318.1	-500.0	5:45	6:15	500.0	45.2				
9:10	2:50	332.3	-500.0	5:40	6:20	500.0	60.3				
9:05	2:55	347.2	-500.0	5:35	6:25	500.0	75.5				
9:00	3:00	362.7	-500.0	5:30	6:30	500.0	90.7				
8:55	3:05	378.9	-500.0	5:25	6:35	500.0	106.1				
8:50	3:10	395.8	-500.0	5:20	6:40	500.0	121.5				
8:45	3:15	413.6	-500.0	5:15	6:45	500.0	137.1				
8:40	3:20	432.2	-500.0	5:10	6:50	500.0	152.8				
8:35	3:25	451.9	-500.0	5:05	6:55	500.0	168.7				
8:30	3:30	472.7	-500.0	5:00	7:00	500.0	184.7				

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Latitude: 46.5° N/S

Earliest Sunrise: 4:05 a.m. Latest Sunset: 7:55 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	23.7	-1500.0	8:25	3:35	1483.9	-1500.0	4:55	7:05	1500.0	602.7
11:50	12:10	47.5	-1500.0	8:20	3:40	1500.0	-1448.0	4:50	7:10	1500.0	652.0
11:45	12:15	71.3	-1500.0	8:15	3:45	1500.0	-1381.7	4:45	7:15	1500.0	702.0
11:40	12:20	95.2	-1500.0	8:10	3:50	1500.0	-1317.4	4:40	7:20	1500.0	752.7
11:35	12:25	119.2	-1500.0	8:05	3:55	1500.0	-1254.8	4:35	7:25	1500.0	804.2
11:30	12:30	143.2	-1500.0	8:00	4:00	1500.0	-1193.9	4:30	7:30	1500.0	856.6
11:25	12:35	167.5	-1500.0	7:55	4:05	1500.0	-1134.5	4:25	7:35	1500.0	909.9
11:20	12:40	191.9	-1500.0	7:50	4:10	1500.0	-1076.5	4:20	7:40	1500.0	964.3
11:15	12:45	216.4	-1500.0	7:45	4:15	1500.0	-1019.8	4:15	7:45	1500.0	1019.8
11:10	12:50	241.2	-1500.0	7:40	4:20	1500.0	-964.3	4:10	7:50	1500.0	1076.5
11:05	12:55	266.2	-1500.0	7:35	4:25	1500.0	-909.9	4:05	7:55	1500.0	1134.5
11:00	1:00	291.5	-1500.0	7:30	4:30	1500.0	-856.6	4:00	8:00	1500.0	1193.9
10:55	1:05	317.1	-1500.0	7:25	4:35	1500.0	-804.2				
10:50	1:10	343.1	-1500.0	7:20	4:40	1500.0	-752.7				
10:45	1:15	369.3	-1500.0	7:15	4:45	1500.0	-702.0				
10:40	1:20	396.0	-1500.0	7:10	4:50	1500.0	-652.0				
10:35	1:25	423.1	-1500.0	7:05	4:55	1500.0	-602.7				
10:30	1:30	450.7	-1500.0	7:00	5:00	1500.0	-554.1				
10:25	1:35	478.8	-1500.0	6:55	5:05	1500.0	-506.0				
10:20	1:40	507.4	-1500.0	6:50	5:10	1500.0	-458.4				
10:15	1:45	536.6	-1500.0	6:45	5:15	1500.0	-411.3				
10:10	1:50	566.4	-1500.0	6:40	5:20	1500.0	-364.6				
10:05	1:55	596.9	-1500.0	6:35	5:25	1500.0	-318.3				
10:00	2:00	628.2	-1500.0	6:30	5:30	1500.0	-272.2				
9:55	2:05	660.3	-1500.0	6:25	5:35	1500.0	-226.5				
9:50	2:10	693.2	-1500.0	6:20	5:40	1500.0	-180.9				
9:45	2:15	727.0	-1500.0	6:15	5:45	1500.0	-135.5				
9:40	2:20	761.9	-1500.0	6:10	5:50	1500.0	-90.3				
9:35	2:25	797.8	-1500.0	6:05	5:55	1500.0	-45.1				
9:30	2:30	834.9	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	873.3	-1500.0	5:55	6:05	1500.0	45.1				
9:20	2:40	913.0	-1500.0	5:50	6:10	1500.0	90.3				
9:15	2:45	954.2	-1500.0	5:45	6:15	1500.0	135.5				
9:10	2:50	997.0	-1500.0	5:40	6:20	1500.0	180.9				
9:05	2:55	1041.6	-1500.0	5:35	6:25	1500.0	226.5				
9:00	3:00	1088.1	-1500.0	5:30	6:30	1500.0	272.2				
8:55	3:05	1136.6	-1500.0	5:25	6:35	1500.0	318.3				
8:50	3:10	1187.4	-1500.0	5:20	6:40	1500.0	364.6				
8:45	3:15	1240.7	-1500.0	5:15	6:45	1500.0	411.3				
8:40	3:20	1296.7	-1500.0	5:10	6:50	1500.0	458.4				
8:35	3:25	1355.7	-1500.0	5:05	6:55	1500.0	506.0				
8:30	3:30	1418.0	-1500.0	5:00	7:00	1500.0	554.1				