

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 43.5° N/S

Earliest Sunrise: 4:17 a.m. Latest Sunset: 7:43 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	7.5	-500.0	8:25	3:35	469.4	-500.0	4:55	7:05	500.0	211.7
11:50	12:10	15.0	-500.0	8:20	3:40	491.5	-500.0	4:50	7:10	500.0	229.0
11:45	12:15	22.6	-500.0	8:15	3:45	500.0	-485.3	4:45	7:15	500.0	246.6
11:40	12:20	30.1	-500.0	8:10	3:50	500.0	-462.7	4:40	7:20	500.0	264.4
11:35	12:25	37.7	-500.0	8:05	3:55	500.0	-440.8	4:35	7:25	500.0	282.5
11:30	12:30	45.3	-500.0	8:00	4:00	500.0	-419.4	4:30	7:30	500.0	300.9
11:25	12:35	53.0	-500.0	7:55	4:05	500.0	-398.5	4:25	7:35	500.0	319.6
11:20	12:40	60.7	-500.0	7:50	4:10	500.0	-378.1	4:20	7:40	500.0	338.7
11:15	12:45	68.5	-500.0	7:45	4:15	500.0	-358.2	4:15	7:45	500.0	358.2
11:10	12:50	76.3	-500.0	7:40	4:20	500.0	-338.7				
11:05	12:55	84.2	-500.0	7:35	4:25	500.0	-319.6				
11:00	1:00	92.2	-500.0	7:30	4:30	500.0	-300.9				
10:55	1:05	100.3	-500.0	7:25	4:35	500.0	-282.5				
10:50	1:10	108.5	-500.0	7:20	4:40	500.0	-264.4				
10:45	1:15	116.8	-500.0	7:15	4:45	500.0	-246.6				
10:40	1:20	125.3	-500.0	7:10	4:50	500.0	-229.0				
10:35	1:25	133.8	-500.0	7:05	4:55	500.0	-211.7				
10:30	1:30	142.6	-500.0	7:00	5:00	500.0	-194.6				
10:25	1:35	151.4	-500.0	6:55	5:05	500.0	-177.7				
10:20	1:40	160.5	-500.0	6:50	5:10	500.0	-161.0				
10:15	1:45	169.7	-500.0	6:45	5:15	500.0	-144.5				
10:10	1:50	179.2	-500.0	6:40	5:20	500.0	-128.1				
10:05	1:55	188.8	-500.0	6:35	5:25	500.0	-111.8				
10:00	2:00	198.7	-500.0	6:30	5:30	500.0	-95.6				
9:55	2:05	208.9	-500.0	6:25	5:35	500.0	-79.6				
9:50	2:10	219.3	-500.0	6:20	5:40	500.0	-63.5				
9:45	2:15	230.0	-500.0	6:15	5:45	500.0	-47.6				
9:40	2:20	241.0	-500.0	6:10	5:50	500.0	-31.7				
9:35	2:25	252.4	-500.0	6:05	5:55	500.0	-15.8				
9:30	2:30	264.1	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	276.2	-500.0	5:55	6:05	500.0	15.8				
9:20	2:40	288.8	-500.0	5:50	6:10	500.0	31.7				
9:15	2:45	301.8	-500.0	5:45	6:15	500.0	47.6				
9:10	2:50	315.4	-500.0	5:40	6:20	500.0	63.5				
9:05	2:55	329.5	-500.0	5:35	6:25	500.0	79.6				
9:00	3:00	344.2	-500.0	5:30	6:30	500.0	95.6				
8:55	3:05	359.5	-500.0	5:25	6:35	500.0	111.8				
8:50	3:10	375.6	-500.0	5:20	6:40	500.0	128.1				
8:45	3:15	392.5	-500.0	5:15	6:45	500.0	144.5				
8:40	3:20	410.2	-500.0	5:10	6:50	500.0	161.0				
8:35	3:25	428.8	-500.0	5:05	6:55	500.0	177.7				
8:30	3:30	448.5	-500.0	5:00	7:00	500.0	194.6				

Horizontal Shadow Plane Sundial

Latitude: 43.5° 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	22.5	-1500.0	8:25	3:35	1408.2	-1500.0	4:55	7:05	1500.0	635.2
11:50	12:10	45.1	-1500.0	8:20	3:40	1474.6	-1500.0	4:50	7:10	1500.0	687.1
11:45	12:15	67.7	-1500.0	8:15	3:45	1500.0	-1456.0	4:45	7:15	1500.0	739.7
11:40	12:20	90.3	-1500.0	8:10	3:50	1500.0	-1388.2	4:40	7:20	1500.0	793.1
11:35	12:25	113.1	-1500.0	8:05	3:55	1500.0	-1322.3	4:35	7:25	1500.0	847.4
11:30	12:30	135.9	-1500.0	8:00	4:00	1500.0	-1258.1	4:30	7:30	1500.0	902.6
11:25	12:35	158.9	-1500.0	7:55	4:05	1500.0	-1195.5	4:25	7:35	1500.0	958.8
11:20	12:40	182.1	-1500.0	7:50	4:10	1500.0	-1134.4	4:20	7:40	1500.0	1016.1
11:15	12:45	205.4	-1500.0	7:45	4:15	1500.0	-1074.6	4:15	7:45	1500.0	1074.6
11:10	12:50	228.9	-1500.0	7:40	4:20	1500.0	-1016.1				
11:05	12:55	252.7	-1500.0	7:35	4:25	1500.0	-958.8				
11:00	1:00	276.7	-1500.0	7:30	4:30	1500.0	-902.6				
10:55	1:05	301.0	-1500.0	7:25	4:35	1500.0	-847.4				
10:50	1:10	325.6	-1500.0	7:20	4:40	1500.0	-793.1				
10:45	1:15	350.5	-1500.0	7:15	4:45	1500.0	-739.7				
10:40	1:20	375.8	-1500.0	7:10	4:50	1500.0	-687.1				
10:35	1:25	401.5	-1500.0	7:05	4:55	1500.0	-635.2				
10:30	1:30	427.7	-1500.0	7:00	5:00	1500.0	-583.9				
10:25	1:35	454.3	-1500.0	6:55	5:05	1500.0	-533.2				
10:20	1:40	481.5	-1500.0	6:50	5:10	1500.0	-483.1				
10:15	1:45	509.2	-1500.0	6:45	5:15	1500.0	-433.5				
10:10	1:50	537.5	-1500.0	6:40	5:20	1500.0	-384.2				
10:05	1:55	566.5	-1500.0	6:35	5:25	1500.0	-335.4				
10:00	2:00	596.1	-1500.0	6:30	5:30	1500.0	-286.9				
9:55	2:05	626.6	-1500.0	6:25	5:35	1500.0	-238.7				
9:50	2:10	657.8	-1500.0	6:20	5:40	1500.0	-190.6				
9:45	2:15	689.9	-1500.0	6:15	5:45	1500.0	-142.8				
9:40	2:20	723.0	-1500.0	6:10	5:50	1500.0	-95.1				
9:35	2:25	757.1	-1500.0	6:05	5:55	1500.0	-47.5				
9:30	2:30	792.3	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	828.7	-1500.0	5:55	6:05	1500.0	47.5				
9:20	2:40	866.4	-1500.0	5:50	6:10	1500.0	95.1				
9:15	2:45	905.5	-1500.0	5:45	6:15	1500.0	142.8				
9:10	2:50	946.1	-1500.0	5:40	6:20	1500.0	190.6				
9:05	2:55	988.4	-1500.0	5:35	6:25	1500.0	238.7				
9:00	3:00	1032.5	-1500.0	5:30	6:30	1500.0	286.9				
8:55	3:05	1078.6	-1500.0	5:25	6:35	1500.0	335.4				
8:50	3:10	1126.8	-1500.0	5:20	6:40	1500.0	384.2				
8:45	3:15	1177.4	-1500.0	5:15	6:45	1500.0	433.5				
8:40	3:20	1230.5	-1500.0	5:10	6:50	1500.0	483.1				
8:35	3:25	1286.5	-1500.0	5:05	6:55	1500.0	533.2				
8:30	3:30	1345.6	-1500.0	5:00	7:00	1500.0	583.9				