

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 46.0° N/S

Earliest Sunrise: 4:07 a.m. Latest Sunset: 7:53 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	7.8	-500.0	8:25	3:35	490.5	-500.0	4:55	7:05	500.0	202.6
11:50	12:10	15.7	-500.0	8:20	3:40	500.0	-486.7	4:50	7:10	500.0	219.2
11:45	12:15	23.6	-500.0	8:15	3:45	500.0	-464.4	4:45	7:15	500.0	235.9
11:40	12:20	31.5	-500.0	8:10	3:50	500.0	-442.8	4:40	7:20	500.0	253.0
11:35	12:25	39.4	-500.0	8:05	3:55	500.0	-421.8	4:35	7:25	500.0	270.3
11:30	12:30	47.4	-500.0	8:00	4:00	500.0	-401.3	4:30	7:30	500.0	287.9
11:25	12:35	55.4	-500.0	7:55	4:05	500.0	-381.3	4:25	7:35	500.0	305.8
11:20	12:40	63.4	-500.0	7:50	4:10	500.0	-361.8	4:20	7:40	500.0	324.1
11:15	12:45	71.5	-500.0	7:45	4:15	500.0	-342.8	4:15	7:45	500.0	342.8
11:10	12:50	79.7	-500.0	7:40	4:20	500.0	-324.1	4:10	7:50	500.0	361.8
11:05	12:55	88.0	-500.0	7:35	4:25	500.0	-305.8	4:05	7:55	500.0	381.3
11:00	1:00	96.4	-500.0	7:30	4:30	500.0	-287.9	4:00	8:00	500.0	401.3
10:55	1:05	104.8	-500.0	7:25	4:35	500.0	-270.3				
10:50	1:10	113.4	-500.0	7:20	4:40	500.0	-253.0				
10:45	1:15	122.1	-500.0	7:15	4:45	500.0	-235.9				
10:40	1:20	130.9	-500.0	7:10	4:50	500.0	-219.2				
10:35	1:25	139.9	-500.0	7:05	4:55	500.0	-202.6				
10:30	1:30	149.0	-500.0	7:00	5:00	500.0	-186.2				
10:25	1:35	158.3	-500.0	6:55	5:05	500.0	-170.1				
10:20	1:40	167.7	-500.0	6:50	5:10	500.0	-154.1				
10:15	1:45	177.4	-500.0	6:45	5:15	500.0	-138.3				
10:10	1:50	187.2	-500.0	6:40	5:20	500.0	-122.6				
10:05	1:55	197.3	-500.0	6:35	5:25	500.0	-107.0				
10:00	2:00	207.7	-500.0	6:30	5:30	500.0	-91.5				
9:55	2:05	218.3	-500.0	6:25	5:35	500.0	-76.1				
9:50	2:10	229.1	-500.0	6:20	5:40	500.0	-60.8				
9:45	2:15	240.3	-500.0	6:15	5:45	500.0	-45.6				
9:40	2:20	251.8	-500.0	6:10	5:50	500.0	-30.3				
9:35	2:25	263.7	-500.0	6:05	5:55	500.0	-15.2				
9:30	2:30	276.0	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	288.7	-500.0	5:55	6:05	500.0	15.2				
9:20	2:40	301.8	-500.0	5:50	6:10	500.0	30.3				
9:15	2:45	315.4	-500.0	5:45	6:15	500.0	45.6				
9:10	2:50	329.6	-500.0	5:40	6:20	500.0	60.8				
9:05	2:55	344.3	-500.0	5:35	6:25	500.0	76.1				
9:00	3:00	359.7	-500.0	5:30	6:30	500.0	91.5				
8:55	3:05	375.7	-500.0	5:25	6:35	500.0	107.0				
8:50	3:10	392.5	-500.0	5:20	6:40	500.0	122.6				
8:45	3:15	410.1	-500.0	5:15	6:45	500.0	138.3				
8:40	3:20	428.6	-500.0	5:10	6:50	500.0	154.1				
8:35	3:25	448.1	-500.0	5:05	6:55	500.0	170.1				
8:30	3:30	468.7	-500.0	5:00	7:00	500.0	186.2				

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Latitude: 46.0° N/S

Earliest Sunrise: 4:07 a.m. Latest Sunset: 7:53 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	23.5	-1500.0	8:25	3:35	1471.6	-1500.0	4:55	7:05	1500.0	607.8
11:50	12:10	47.1	-1500.0	8:20	3:40	1500.0	-1460.1	4:50	7:10	1500.0	657.5
11:45	12:15	70.7	-1500.0	8:15	3:45	1500.0	-1393.3	4:45	7:15	1500.0	707.8
11:40	12:20	94.4	-1500.0	8:10	3:50	1500.0	-1328.4	4:40	7:20	1500.0	759.0
11:35	12:25	118.2	-1500.0	8:05	3:55	1500.0	-1265.4	4:35	7:25	1500.0	810.9
11:30	12:30	142.1	-1500.0	8:00	4:00	1500.0	-1203.9	4:30	7:30	1500.0	863.7
11:25	12:35	166.1	-1500.0	7:55	4:05	1500.0	-1144.0	4:25	7:35	1500.0	917.5
11:20	12:40	190.3	-1500.0	7:50	4:10	1500.0	-1085.5	4:20	7:40	1500.0	972.4
11:15	12:45	214.6	-1500.0	7:45	4:15	1500.0	-1028.3	4:15	7:45	1500.0	1028.3
11:10	12:50	239.2	-1500.0	7:40	4:20	1500.0	-972.4	4:10	7:50	1500.0	1085.5
11:05	12:55	264.0	-1500.0	7:35	4:25	1500.0	-917.5	4:05	7:55	1500.0	1144.0
11:00	1:00	289.1	-1500.0	7:30	4:30	1500.0	-863.7	4:00	8:00	1500.0	1203.9
10:55	1:05	314.5	-1500.0	7:25	4:35	1500.0	-810.9				
10:50	1:10	340.2	-1500.0	7:20	4:40	1500.0	-759.0				
10:45	1:15	366.3	-1500.0	7:15	4:45	1500.0	-707.8				
10:40	1:20	392.7	-1500.0	7:10	4:50	1500.0	-657.5				
10:35	1:25	419.6	-1500.0	7:05	4:55	1500.0	-607.8				
10:30	1:30	446.9	-1500.0	7:00	5:00	1500.0	-558.7				
10:25	1:35	474.8	-1500.0	6:55	5:05	1500.0	-510.3				
10:20	1:40	503.2	-1500.0	6:50	5:10	1500.0	-462.3				
10:15	1:45	532.1	-1500.0	6:45	5:15	1500.0	-414.8				
10:10	1:50	561.7	-1500.0	6:40	5:20	1500.0	-367.7				
10:05	1:55	592.0	-1500.0	6:35	5:25	1500.0	-320.9				
10:00	2:00	623.0	-1500.0	6:30	5:30	1500.0	-274.5				
9:55	2:05	654.8	-1500.0	6:25	5:35	1500.0	-228.4				
9:50	2:10	687.4	-1500.0	6:20	5:40	1500.0	-182.4				
9:45	2:15	721.0	-1500.0	6:15	5:45	1500.0	-136.7				
9:40	2:20	755.5	-1500.0	6:10	5:50	1500.0	-91.0				
9:35	2:25	791.2	-1500.0	6:05	5:55	1500.0	-45.5				
9:30	2:30	828.0	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	866.0	-1500.0	5:55	6:05	1500.0	45.5				
9:20	2:40	905.4	-1500.0	5:50	6:10	1500.0	91.0				
9:15	2:45	946.3	-1500.0	5:45	6:15	1500.0	136.7				
9:10	2:50	988.7	-1500.0	5:40	6:20	1500.0	182.4				
9:05	2:55	1032.9	-1500.0	5:35	6:25	1500.0	228.4				
9:00	3:00	1079.0	-1500.0	5:30	6:30	1500.0	274.5				
8:55	3:05	1127.1	-1500.0	5:25	6:35	1500.0	320.9				
8:50	3:10	1177.5	-1500.0	5:20	6:40	1500.0	367.7				
8:45	3:15	1230.4	-1500.0	5:15	6:45	1500.0	414.8				
8:40	3:20	1285.9	-1500.0	5:10	6:50	1500.0	462.3				
8:35	3:25	1344.4	-1500.0	5:05	6:55	1500.0	510.3				
8:30	3:30	1406.2	-1500.0	5:00	7:00	1500.0	558.7				