

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 42.5° N/S

Earliest Sunrise: 4:20 a.m. Latest Sunset: 7:40 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	7.4	-500.0	8:25	3:35	460.7	-500.0	4:55	7:05	500.0	215.7
11:50	12:10	14.7	-500.0	8:20	3:40	482.4	-500.0	4:50	7:10	500.0	233.4
11:45	12:15	22.1	-500.0	8:15	3:45	500.0	-494.5	4:45	7:15	500.0	251.2
11:40	12:20	29.6	-500.0	8:10	3:50	500.0	-471.5	4:40	7:20	500.0	269.4
11:35	12:25	37.0	-500.0	8:05	3:55	500.0	-449.1	4:35	7:25	500.0	287.8
11:30	12:30	44.5	-500.0	8:00	4:00	500.0	-427.3	4:30	7:30	500.0	306.6
11:25	12:35	52.0	-500.0	7:55	4:05	500.0	-406.0	4:25	7:35	500.0	325.6
11:20	12:40	59.6	-500.0	7:50	4:10	500.0	-385.3	4:20	7:40	500.0	345.1
11:15	12:45	67.2	-500.0	7:45	4:15	500.0	-365.0	4:15	7:45	500.0	365.0
11:10	12:50	74.9	-500.0	7:40	4:20	500.0	-345.1				
11:05	12:55	82.7	-500.0	7:35	4:25	500.0	-325.6				
11:00	1:00	90.5	-500.0	7:30	4:30	500.0	-306.6				
10:55	1:05	98.5	-500.0	7:25	4:35	500.0	-287.8				
10:50	1:10	106.5	-500.0	7:20	4:40	500.0	-269.4				
10:45	1:15	114.7	-500.0	7:15	4:45	500.0	-251.2				
10:40	1:20	122.9	-500.0	7:10	4:50	500.0	-233.4				
10:35	1:25	131.4	-500.0	7:05	4:55	500.0	-215.7				
10:30	1:30	139.9	-500.0	7:00	5:00	500.0	-198.3				
10:25	1:35	148.6	-500.0	6:55	5:05	500.0	-181.1				
10:20	1:40	157.5	-500.0	6:50	5:10	500.0	-164.1				
10:15	1:45	166.6	-500.0	6:45	5:15	500.0	-147.2				
10:10	1:50	175.8	-500.0	6:40	5:20	500.0	-130.5				
10:05	1:55	185.3	-500.0	6:35	5:25	500.0	-113.9				
10:00	2:00	195.0	-500.0	6:30	5:30	500.0	-97.4				
9:55	2:05	205.0	-500.0	6:25	5:35	500.0	-81.1				
9:50	2:10	215.2	-500.0	6:20	5:40	500.0	-64.7				
9:45	2:15	225.7	-500.0	6:15	5:45	500.0	-48.5				
9:40	2:20	236.5	-500.0	6:10	5:50	500.0	-32.3				
9:35	2:25	247.7	-500.0	6:05	5:55	500.0	-16.1				
9:30	2:30	259.2	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	271.1	-500.0	5:55	6:05	500.0	16.1				
9:20	2:40	283.4	-500.0	5:50	6:10	500.0	32.3				
9:15	2:45	296.2	-500.0	5:45	6:15	500.0	48.5				
9:10	2:50	309.5	-500.0	5:40	6:20	500.0	64.7				
9:05	2:55	323.4	-500.0	5:35	6:25	500.0	81.1				
9:00	3:00	337.8	-500.0	5:30	6:30	500.0	97.4				
8:55	3:05	352.9	-500.0	5:25	6:35	500.0	113.9				
8:50	3:10	368.6	-500.0	5:20	6:40	500.0	130.5				
8:45	3:15	385.2	-500.0	5:15	6:45	500.0	147.2				
8:40	3:20	402.6	-500.0	5:10	6:50	500.0	164.1				
8:35	3:25	420.9	-500.0	5:05	6:55	500.0	181.1				
8:30	3:30	440.2	-500.0	5:00	7:00	500.0	198.3				

Horizontal Shadow Plane Sundial

Latitude: 42.5° N/S

Earliest Sunrise: 4:20 a.m. Latest Sunset: 7:40 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	22.1	-1500.0	8:25	3:35	1382.1	-1500.0	4:55	7:05	1500.0	647.2
11:50	12:10	44.2	-1500.0	8:20	3:40	1447.3	-1500.0	4:50	7:10	1500.0	700.1
11:45	12:15	66.4	-1500.0	8:15	3:45	1500.0	-1483.5	4:45	7:15	1500.0	753.7
11:40	12:20	88.7	-1500.0	8:10	3:50	1500.0	-1414.5	4:40	7:20	1500.0	808.1
11:35	12:25	111.0	-1500.0	8:05	3:55	1500.0	-1347.3	4:35	7:25	1500.0	863.4
11:30	12:30	133.4	-1500.0	8:00	4:00	1500.0	-1281.9	4:30	7:30	1500.0	919.7
11:25	12:35	156.0	-1500.0	7:55	4:05	1500.0	-1218.1	4:25	7:35	1500.0	976.9
11:20	12:40	178.7	-1500.0	7:50	4:10	1500.0	-1155.8	4:20	7:40	1500.0	1035.3
11:15	12:45	201.6	-1500.0	7:45	4:15	1500.0	-1094.9	4:15	7:45	1500.0	1094.9
11:10	12:50	224.7	-1500.0	7:40	4:20	1500.0	-1035.3				
11:05	12:55	248.0	-1500.0	7:35	4:25	1500.0	-976.9				
11:00	1:00	271.5	-1500.0	7:30	4:30	1500.0	-919.7				
10:55	1:05	295.4	-1500.0	7:25	4:35	1500.0	-863.4				
10:50	1:10	319.5	-1500.0	7:20	4:40	1500.0	-808.1				
10:45	1:15	344.0	-1500.0	7:15	4:45	1500.0	-753.7				
10:40	1:20	368.8	-1500.0	7:10	4:50	1500.0	-700.1				
10:35	1:25	394.1	-1500.0	7:05	4:55	1500.0	-647.2				
10:30	1:30	419.8	-1500.0	7:00	5:00	1500.0	-594.9				
10:25	1:35	445.9	-1500.0	6:55	5:05	1500.0	-543.3				
10:20	1:40	472.5	-1500.0	6:50	5:10	1500.0	-492.2				
10:15	1:45	499.7	-1500.0	6:45	5:15	1500.0	-441.6				
10:10	1:50	527.5	-1500.0	6:40	5:20	1500.0	-391.5				
10:05	1:55	556.0	-1500.0	6:35	5:25	1500.0	-341.7				
10:00	2:00	585.1	-1500.0	6:30	5:30	1500.0	-292.3				
9:55	2:05	614.9	-1500.0	6:25	5:35	1500.0	-243.2				
9:50	2:10	645.6	-1500.0	6:20	5:40	1500.0	-194.2				
9:45	2:15	677.1	-1500.0	6:15	5:45	1500.0	-145.5				
9:40	2:20	709.6	-1500.0	6:10	5:50	1500.0	-96.9				
9:35	2:25	743.0	-1500.0	6:05	5:55	1500.0	-48.4				
9:30	2:30	777.6	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	813.3	-1500.0	5:55	6:05	1500.0	48.4				
9:20	2:40	850.3	-1500.0	5:50	6:10	1500.0	96.9				
9:15	2:45	888.7	-1500.0	5:45	6:15	1500.0	145.5				
9:10	2:50	928.6	-1500.0	5:40	6:20	1500.0	194.2				
9:05	2:55	970.1	-1500.0	5:35	6:25	1500.0	243.2				
9:00	3:00	1013.4	-1500.0	5:30	6:30	1500.0	292.3				
8:55	3:05	1058.6	-1500.0	5:25	6:35	1500.0	341.7				
8:50	3:10	1105.9	-1500.0	5:20	6:40	1500.0	391.5				
8:45	3:15	1155.5	-1500.0	5:15	6:45	1500.0	441.6				
8:40	3:20	1207.7	-1500.0	5:10	6:50	1500.0	492.2				
8:35	3:25	1262.7	-1500.0	5:05	6:55	1500.0	543.3				
8:30	3:30	1320.7	-1500.0	5:00	7:00	1500.0	594.9				