

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 31.5° N/S

Earliest Sunrise: 4:54 a.m. Latest Sunset: 7:06 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	5.7	-500.0	8:25	3:35	356.3	-500.0	4:55	7:05	500.0	278.9
11:50	12:10	11.4	-500.0	8:20	3:40	373.1	-500.0	4:50	7:10	500.0	301.7
11:45	12:15	17.1	-500.0	8:15	3:45	391.0	-500.0	4:45	7:15	500.0	324.8
11:40	12:20	22.9	-500.0	8:10	3:50	410.1	-500.0				
11:35	12:25	28.6	-500.0	8:05	3:55	430.5	-500.0				
11:30	12:30	34.4	-500.0	8:00	4:00	452.5	-500.0				
11:25	12:35	40.2	-500.0	7:55	4:05	476.2	-500.0				
11:20	12:40	46.1	-500.0	7:50	4:10	500.0	-498.2				
11:15	12:45	52.0	-500.0	7:45	4:15	500.0	-471.9				
11:10	12:50	57.9	-500.0	7:40	4:20	500.0	-446.2				
11:05	12:55	63.9	-500.0	7:35	4:25	500.0	-421.1				
11:00	1:00	70.0	-500.0	7:30	4:30	500.0	-396.4				
10:55	1:05	76.1	-500.0	7:25	4:35	500.0	-372.1				
10:50	1:10	82.4	-500.0	7:20	4:40	500.0	-348.3				
10:45	1:15	88.7	-500.0	7:15	4:45	500.0	-324.8				
10:40	1:20	95.1	-500.0	7:10	4:50	500.0	-301.7				
10:35	1:25	101.6	-500.0	7:05	4:55	500.0	-278.9				
10:30	1:30	108.2	-500.0	7:00	5:00	500.0	-256.4				
10:25	1:35	115.0	-500.0	6:55	5:05	500.0	-234.2				
10:20	1:40	121.8	-500.0	6:50	5:10	500.0	-212.1				
10:15	1:45	128.8	-500.0	6:45	5:15	500.0	-190.3				
10:10	1:50	136.0	-500.0	6:40	5:20	500.0	-168.7				
10:05	1:55	143.3	-500.0	6:35	5:25	500.0	-147.3				
10:00	2:00	150.8	-500.0	6:30	5:30	500.0	-126.0				
9:55	2:05	158.5	-500.0	6:25	5:35	500.0	-104.8				
9:50	2:10	166.4	-500.0	6:20	5:40	500.0	-83.7				
9:45	2:15	174.6	-500.0	6:15	5:45	500.0	-62.7				
9:40	2:20	182.9	-500.0	6:10	5:50	500.0	-41.8				
9:35	2:25	191.6	-500.0	6:05	5:55	500.0	-20.9				
9:30	2:30	200.5	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	209.7	-500.0	5:55	6:05	500.0	20.9				
9:20	2:40	219.2	-500.0	5:50	6:10	500.0	41.8				
9:15	2:45	229.1	-500.0	5:45	6:15	500.0	62.7				
9:10	2:50	239.4	-500.0	5:40	6:20	500.0	83.7				
9:05	2:55	250.1	-500.0	5:35	6:25	500.0	104.8				
9:00	3:00	261.2	-500.0	5:30	6:30	500.0	126.0				
8:55	3:05	272.9	-500.0	5:25	6:35	500.0	147.3				
8:50	3:10	285.1	-500.0	5:20	6:40	500.0	168.7				
8:45	3:15	297.9	-500.0	5:15	6:45	500.0	190.3				
8:40	3:20	311.3	-500.0	5:10	6:50	500.0	212.1				
8:35	3:25	325.5	-500.0	5:05	6:55	500.0	234.2				
8:30	3:30	340.5	-500.0	5:00	7:00	500.0	256.4				

Horizontal Shadow Plane Sundial

Latitude: 31.5° N/S

Earliest Sunrise: 4:54 a.m. Latest Sunset: 7:06 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	17.1	-1500.0	8:25	3:35	1068.9	-1500.0	4:55	7:05	1500.0	836.8
11:50	12:10	34.2	-1500.0	8:20	3:40	1119.3	-1500.0	4:50	7:10	1500.0	905.2
11:45	12:15	51.4	-1500.0	8:15	3:45	1173.0	-1500.0	4:45	7:15	1500.0	974.5
11:40	12:20	68.6	-1500.0	8:10	3:50	1230.2	-1500.0				
11:35	12:25	85.8	-1500.0	8:05	3:55	1291.6	-1500.0				
11:30	12:30	103.2	-1500.0	8:00	4:00	1357.5	-1500.0				
11:25	12:35	120.6	-1500.0	7:55	4:05	1428.6	-1500.0				
11:20	12:40	138.2	-1500.0	7:50	4:10	1500.0	-1494.5				
11:15	12:45	155.9	-1500.0	7:45	4:15	1500.0	-1415.7				
11:10	12:50	173.8	-1500.0	7:40	4:20	1500.0	-1338.7				
11:05	12:55	191.8	-1500.0	7:35	4:25	1500.0	-1263.2				
11:00	1:00	210.0	-1500.0	7:30	4:30	1500.0	-1189.1				
10:55	1:05	228.4	-1500.0	7:25	4:35	1500.0	-1116.4				
10:50	1:10	247.1	-1500.0	7:20	4:40	1500.0	-1044.9				
10:45	1:15	266.0	-1500.0	7:15	4:45	1500.0	-974.5				
10:40	1:20	285.3	-1500.0	7:10	4:50	1500.0	-905.2				
10:35	1:25	304.8	-1500.0	7:05	4:55	1500.0	-836.8				
10:30	1:30	324.6	-1500.0	7:00	5:00	1500.0	-769.2				
10:25	1:35	344.9	-1500.0	6:55	5:05	1500.0	-702.5				
10:20	1:40	365.5	-1500.0	6:50	5:10	1500.0	-636.4				
10:15	1:45	386.5	-1500.0	6:45	5:15	1500.0	-571.0				
10:10	1:50	408.0	-1500.0	6:40	5:20	1500.0	-506.2				
10:05	1:55	430.0	-1500.0	6:35	5:25	1500.0	-441.9				
10:00	2:00	452.5	-1500.0	6:30	5:30	1500.0	-378.0				
9:55	2:05	475.6	-1500.0	6:25	5:35	1500.0	-314.4				
9:50	2:10	499.3	-1500.0	6:20	5:40	1500.0	-251.2				
9:45	2:15	523.7	-1500.0	6:15	5:45	1500.0	-188.2				
9:40	2:20	548.8	-1500.0	6:10	5:50	1500.0	-125.3				
9:35	2:25	574.7	-1500.0	6:05	5:55	1500.0	-62.6				
9:30	2:30	601.4	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	629.0	-1500.0	5:55	6:05	1500.0	62.6				
9:20	2:40	657.6	-1500.0	5:50	6:10	1500.0	125.3				
9:15	2:45	687.3	-1500.0	5:45	6:15	1500.0	188.2				
9:10	2:50	718.2	-1500.0	5:40	6:20	1500.0	251.2				
9:05	2:55	750.3	-1500.0	5:35	6:25	1500.0	314.4				
9:00	3:00	783.7	-1500.0	5:30	6:30	1500.0	378.0				
8:55	3:05	818.7	-1500.0	5:25	6:35	1500.0	441.9				
8:50	3:10	855.3	-1500.0	5:20	6:40	1500.0	506.2				
8:45	3:15	893.7	-1500.0	5:15	6:45	1500.0	571.0				
8:40	3:20	934.0	-1500.0	5:10	6:50	1500.0	636.4				
8:35	3:25	976.5	-1500.0	5:05	6:55	1500.0	702.5				
8:30	3:30	1021.4	-1500.0	5:00	7:00	1500.0	769.2				