

## Horizontal Shadow Plane Sundial

Latitude: 28.0° N/S

Earliest Sunrise: 5:03 a.m. Latest Sunset: 6:57 p.m.

E-W Dimension: 1000 mm

Local Time		X	Y	Local Time		X	Y
12:00		0.0	-500.0				
11:55	12:05	5.1	-500.0	8:25	3:35	320.1	-500.0
11:50	12:10	10.2	-500.0	8:20	3:40	335.2	-500.0
11:45	12:15	15.4	-500.0	8:15	3:45	351.3	-500.0
11:40	12:20	20.5	-500.0	8:10	3:50	368.5	-500.0
11:35	12:25	25.7	-500.0	8:05	3:55	386.8	-500.0
11:30	12:30	30.9	-500.0	8:00	4:00	406.6	-500.0
11:25	12:35	36.1	-500.0	7:55	4:05	427.9	-500.0
11:20	12:40	41.4	-500.0	7:50	4:10	450.9	-500.0
11:15	12:45	46.7	-500.0	7:45	4:15	476.0	-500.0
11:10	12:50	52.0	-500.0	7:40	4:20	500.0	-496.6
11:05	12:55	57.4	-500.0	7:35	4:25	500.0	-468.6
11:00	1:00	62.9	-500.0	7:30	4:30	500.0	-441.1
10:55	1:05	68.4	-500.0	7:25	4:35	500.0	-414.2
10:50	1:10	74.0	-500.0	7:20	4:40	500.0	-387.6
10:45	1:15	79.7	-500.0	7:15	4:45	500.0	-361.5
10:40	1:20	85.4	-500.0	7:10	4:50	500.0	-335.8
10:35	1:25	91.3	-500.0	7:05	4:55	500.0	-310.4
10:30	1:30	97.2	-500.0	7:00	5:00	500.0	-285.4
10:25	1:35	103.3	-500.0	6:55	5:05	500.0	-260.6
10:20	1:40	109.5	-500.0	6:50	5:10	500.0	-236.1
10:15	1:45	115.8	-500.0	6:45	5:15	500.0	-211.8
10:10	1:50	122.2	-500.0	6:40	5:20	500.0	-187.8
10:05	1:55	128.8	-500.0	6:35	5:25	500.0	-163.9
10:00	2:00	135.5	-500.0	6:30	5:30	500.0	-140.2
9:55	2:05	142.4	-500.0	6:25	5:35	500.0	-116.6
9:50	2:10	149.5	-500.0	6:20	5:40	500.0	-93.2
9:45	2:15	156.8	-500.0	6:15	5:45	500.0	-69.8
9:40	2:20	164.4	-500.0	6:10	5:50	500.0	-46.5
9:35	2:25	172.1	-500.0	6:05	5:55	500.0	-23.2
9:30	2:30	180.1	-500.0	6:00	6:00	500.0	0.0
9:25	2:35	188.4	-500.0	5:55	6:05	500.0	23.2
9:20	2:40	197.0	-500.0	5:50	6:10	500.0	46.5
9:15	2:45	205.9	-500.0	5:45	6:15	500.0	69.8
9:10	2:50	215.1	-500.0	5:40	6:20	500.0	93.2
9:05	2:55	224.7	-500.0	5:35	6:25	500.0	116.6
9:00	3:00	234.7	-500.0	5:30	6:30	500.0	140.2
8:55	3:05	245.2	-500.0	5:25	6:35	500.0	163.9
8:50	3:10	256.2	-500.0	5:20	6:40	500.0	187.8
8:45	3:15	267.7	-500.0	5:15	6:45	500.0	211.8
8:40	3:20	279.7	-500.0	5:10	6:50	500.0	236.1
8:35	3:25	292.5	-500.0	5:05	6:55	500.0	260.6
8:30	3:30	305.9	-500.0	5:00	7:00	500.0	285.4

## Horizontal Shadow Plane Sundial

Latitude: 28.0° N/S

Earliest Sunrise: 5:03 a.m.    Latest Sunset: 6:57 p.m.  
 E-W Dimension: 3000 mm

Local Time	X	Y	Local Time	X	Y
12:00	0.0	-1500.0			
11:55	15.4	-1500.0	8:25	3:35	960.4
11:50	30.7	-1500.0	8:20	3:40	1005.7
11:45	46.2	-1500.0	8:15	3:45	1053.9
11:40	61.6	-1500.0	8:10	3:50	1105.4
11:35	77.1	-1500.0	8:05	3:55	1160.5
11:30	92.7	-1500.0	8:00	4:00	1219.7
11:25	108.4	-1500.0	7:55	4:05	1283.6
11:20	124.2	-1500.0	7:50	4:10	1352.8
11:15	140.1	-1500.0	7:45	4:15	1428.0
11:10	156.1	-1500.0	7:40	4:20	1500.0
11:05	172.3	-1500.0	7:35	4:25	1500.0
11:00	188.7	-1500.0	7:30	4:30	1500.0
10:55	205.3	-1500.0	7:25	4:35	1500.0
10:50	222.0	-1500.0	7:20	4:40	1500.0
10:45	239.0	-1500.0	7:15	4:45	1500.0
10:40	256.3	-1500.0	7:10	4:50	1500.0
10:35	273.9	-1500.0	7:05	4:55	1500.0
10:30	291.7	-1500.0	7:00	5:00	1500.0
10:25	309.9	-1500.0	6:55	5:05	1500.0
10:20	328.4	-1500.0	6:50	5:10	1500.0
10:15	347.3	-1500.0	6:45	5:15	1500.0
10:10	366.6	-1500.0	6:40	5:20	1500.0
10:05	386.3	-1500.0	6:35	5:25	1500.0
10:00	406.6	-1500.0	6:30	5:30	1500.0
9:55	427.3	-1500.0	6:25	5:35	1500.0
9:50	448.6	-1500.0	6:20	5:40	1500.0
9:45	470.5	-1500.0	6:15	5:45	1500.0
9:40	493.1	-1500.0	6:10	5:50	1500.0
9:35	516.3	-1500.0	6:05	5:55	1500.0
9:30	540.4	-1500.0	6:00	6:00	1500.0
9:25	565.2	-1500.0	5:55	6:05	1500.0
9:20	590.9	-1500.0	5:50	6:10	1500.0
9:15	617.6	-1500.0	5:45	6:15	1500.0
9:10	645.3	-1500.0	5:40	6:20	1500.0
9:05	674.1	-1500.0	5:35	6:25	1500.0
9:00	704.2	-1500.0	5:30	6:30	1500.0
8:55	735.6	-1500.0	5:25	6:35	1500.0
8:50	768.5	-1500.0	5:20	6:40	1500.0
8:45	803.0	-1500.0	5:15	6:45	1500.0
8:40	839.2	-1500.0	5:10	6:50	1500.0
8:35	877.4	-1500.0	5:05	6:55	1500.0
8:30	917.7	-1500.0	5:00	7:00	1500.0