

Horizontal Shadow Plane Sundial

Latitude: 53.5° N/S

Earliest Sunrise: 3:29 a.m. Latest Sunset: 8:31 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	8.8	-500.0	8:25	3:35	500.0	-456.1	4:55	7:05	500.0	181.3
11:50	12:10	17.5	-500.0	8:20	3:40	500.0	-435.5	4:50	7:10	500.0	196.1
11:45	12:15	26.3	-500.0	8:15	3:45	500.0	-415.6	4:45	7:15	500.0	211.1
11:40	12:20	35.2	-500.0	8:10	3:50	500.0	-396.3	4:40	7:20	500.0	226.4
11:35	12:25	44.0	-500.0	8:05	3:55	500.0	-377.4	4:35	7:25	500.0	241.9
11:30	12:30	52.9	-500.0	8:00	4:00	500.0	-359.1	4:30	7:30	500.0	257.6
11:25	12:35	61.9	-500.0	7:55	4:05	500.0	-341.2	4:25	7:35	500.0	273.7
11:20	12:40	70.9	-500.0	7:50	4:10	500.0	-323.8	4:20	7:40	500.0	290.0
11:15	12:45	79.9	-500.0	7:45	4:15	500.0	-306.7	4:15	7:45	500.0	306.7
11:10	12:50	89.1	-500.0	7:40	4:20	500.0	-290.0	4:10	7:50	500.0	323.8
11:05	12:55	98.4	-500.0	7:35	4:25	500.0	-273.7	4:05	7:55	500.0	341.2
11:00	1:00	107.7	-500.0	7:30	4:30	500.0	-257.6	4:00	8:00	500.0	359.1
10:55	1:05	117.2	-500.0	7:25	4:35	500.0	-241.9	3:55	8:05	500.0	377.4
10:50	1:10	126.7	-500.0	7:20	4:40	500.0	-226.4	3:50	8:10	500.0	396.3
10:45	1:15	136.4	-500.0	7:15	4:45	500.0	-211.1	3:45	8:15	500.0	415.6
10:40	1:20	146.3	-500.0	7:10	4:50	500.0	-196.1	3:40	8:20	500.0	435.5
10:35	1:25	156.3	-500.0	7:05	4:55	500.0	-181.3	3:35	8:25	500.0	456.1
10:30	1:30	166.5	-500.0	7:00	5:00	500.0	-166.7	3:30	8:30	500.0	477.3
10:25	1:35	176.9	-500.0	6:55	5:05	500.0	-152.2	3:25	8:35	500.0	499.2
10:20	1:40	187.4	-500.0	6:50	5:10	500.0	-137.9	3:20	8:40	479.0	500.0
10:15	1:45	198.2	-500.0	6:45	5:15	500.0	-123.7	3:15	8:45	458.3	500.0
10:10	1:50	209.2	-500.0	6:40	5:20	500.0	-109.7				
10:05	1:55	220.5	-500.0	6:35	5:25	500.0	-95.7				
10:00	2:00	232.1	-500.0	6:30	5:30	500.0	-81.9				
9:55	2:05	243.9	-500.0	6:25	5:35	500.0	-68.1				
9:50	2:10	256.1	-500.0	6:20	5:40	500.0	-54.4				
9:45	2:15	268.6	-500.0	6:15	5:45	500.0	-40.8				
9:40	2:20	281.4	-500.0	6:10	5:50	500.0	-27.2				
9:35	2:25	294.7	-500.0	6:05	5:55	500.0	-13.6				
9:30	2:30	308.4	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	322.6	-500.0	5:55	6:05	500.0	13.6				
9:20	2:40	337.3	-500.0	5:50	6:10	500.0	27.2				
9:15	2:45	352.5	-500.0	5:45	6:15	500.0	40.8				
9:10	2:50	368.3	-500.0	5:40	6:20	500.0	54.4				
9:05	2:55	384.8	-500.0	5:35	6:25	500.0	68.1				
9:00	3:00	401.9	-500.0	5:30	6:30	500.0	81.9				
8:55	3:05	419.9	-500.0	5:25	6:35	500.0	95.7				
8:50	3:10	438.6	-500.0	5:20	6:40	500.0	109.7				
8:45	3:15	458.3	-500.0	5:15	6:45	500.0	123.7				
8:40	3:20	479.0	-500.0	5:10	6:50	500.0	137.9				
8:35	3:25	500.0	-499.2	5:05	6:55	500.0	152.2				
8:30	3:30	500.0	-477.3	5:00	7:00	500.0	166.7				

Horizontal Shadow Plane Sundial

Latitude: 53.5° N/S

Earliest Sunrise: 3:29 a.m. Latest Sunset: 8:31 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	26.3	-1500.0	8:25	3:35	1500.0	-1368.2	4:55	7:05	1500.0	543.9
11:50	12:10	52.6	-1500.0	8:20	3:40	1500.0	-1306.6	4:50	7:10	1500.0	588.3
11:45	12:15	79.0	-1500.0	8:15	3:45	1500.0	-1246.8	4:45	7:15	1500.0	633.4
11:40	12:20	105.5	-1500.0	8:10	3:50	1500.0	-1188.8	4:40	7:20	1500.0	679.2
11:35	12:25	132.1	-1500.0	8:05	3:55	1500.0	-1132.3	4:35	7:25	1500.0	725.6
11:30	12:30	158.7	-1500.0	8:00	4:00	1500.0	-1077.3	4:30	7:30	1500.0	772.9
11:25	12:35	185.6	-1500.0	7:55	4:05	1500.0	-1023.7	4:25	7:35	1500.0	821.1
11:20	12:40	212.6	-1500.0	7:50	4:10	1500.0	-971.4	4:20	7:40	1500.0	870.1
11:15	12:45	239.8	-1500.0	7:45	4:15	1500.0	-920.2	4:15	7:45	1500.0	920.2
11:10	12:50	267.3	-1500.0	7:40	4:20	1500.0	-870.1	4:10	7:50	1500.0	971.4
11:05	12:55	295.1	-1500.0	7:35	4:25	1500.0	-821.1	4:05	7:55	1500.0	1023.7
11:00	1:00	323.1	-1500.0	7:30	4:30	1500.0	-772.9	4:00	8:00	1500.0	1077.3
10:55	1:05	351.5	-1500.0	7:25	4:35	1500.0	-725.6	3:55	8:05	1500.0	1132.3
10:50	1:10	380.2	-1500.0	7:20	4:40	1500.0	-679.2	3:50	8:10	1500.0	1188.8
10:45	1:15	409.3	-1500.0	7:15	4:45	1500.0	-633.4	3:45	8:15	1500.0	1246.8
10:40	1:20	438.9	-1500.0	7:10	4:50	1500.0	-588.3	3:40	8:20	1500.0	1306.6
10:35	1:25	468.9	-1500.0	7:05	4:55	1500.0	-543.9	3:35	8:25	1500.0	1368.2
10:30	1:30	499.5	-1500.0	7:00	5:00	1500.0	-500.0	3:30	8:30	1500.0	1431.8
10:25	1:35	530.6	-1500.0	6:55	5:05	1500.0	-456.6	3:25	8:35	1500.0	1497.6
10:20	1:40	562.3	-1500.0	6:50	5:10	1500.0	-413.7	3:20	8:40	1437.0	1500.0
10:15	1:45	594.6	-1500.0	6:45	5:15	1500.0	-371.2	3:15	8:45	1374.9	1500.0
10:10	1:50	627.7	-1500.0	6:40	5:20	1500.0	-329.0				
10:05	1:55	661.5	-1500.0	6:35	5:25	1500.0	-287.2				
10:00	2:00	696.2	-1500.0	6:30	5:30	1500.0	-245.7				
9:55	2:05	731.7	-1500.0	6:25	5:35	1500.0	-204.4				
9:50	2:10	768.2	-1500.0	6:20	5:40	1500.0	-163.3				
9:45	2:15	805.7	-1500.0	6:15	5:45	1500.0	-122.3				
9:40	2:20	844.3	-1500.0	6:10	5:50	1500.0	-81.5				
9:35	2:25	884.1	-1500.0	6:05	5:55	1500.0	-40.7				
9:30	2:30	925.2	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	967.7	-1500.0	5:55	6:05	1500.0	40.7				
9:20	2:40	1011.8	-1500.0	5:50	6:10	1500.0	81.5				
9:15	2:45	1057.4	-1500.0	5:45	6:15	1500.0	122.3				
9:10	2:50	1104.9	-1500.0	5:40	6:20	1500.0	163.3				
9:05	2:55	1154.3	-1500.0	5:35	6:25	1500.0	204.4				
9:00	3:00	1205.8	-1500.0	5:30	6:30	1500.0	245.7				
8:55	3:05	1259.6	-1500.0	5:25	6:35	1500.0	287.2				
8:50	3:10	1315.9	-1500.0	5:20	6:40	1500.0	329.0				
8:45	3:15	1374.9	-1500.0	5:15	6:45	1500.0	371.2				
8:40	3:20	1437.0	-1500.0	5:10	6:50	1500.0	413.7				
8:35	3:25	1500.0	-1497.6	5:05	6:55	1500.0	456.6				
8:30	3:30	1500.0	-1431.8	5:00	7:00	1500.0	500.0				