

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 47.5° N/S

Earliest Sunrise: 4:01 a.m. Latest Sunset: 7:59 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	8.0	-500.0	8:25	3:35	500.0	-497.3	4:55	7:05	500.0	197.7
11:50	12:10	16.1	-500.0	8:20	3:40	500.0	-474.9	4:50	7:10	500.0	213.8
11:45	12:15	24.2	-500.0	8:15	3:45	500.0	-453.1	4:45	7:15	500.0	230.2
11:40	12:20	32.3	-500.0	8:10	3:50	500.0	-432.0	4:40	7:20	500.0	246.8
11:35	12:25	40.4	-500.0	8:05	3:55	500.0	-411.5	4:35	7:25	500.0	263.7
11:30	12:30	48.5	-500.0	8:00	4:00	500.0	-391.5	4:30	7:30	500.0	280.9
11:25	12:35	56.7	-500.0	7:55	4:05	500.0	-372.1	4:25	7:35	500.0	298.4
11:20	12:40	65.0	-500.0	7:50	4:10	500.0	-353.0	4:20	7:40	500.0	316.2
11:15	12:45	73.3	-500.0	7:45	4:15	500.0	-334.4	4:15	7:45	500.0	334.4
11:10	12:50	81.7	-500.0	7:40	4:20	500.0	-316.2	4:10	7:50	500.0	353.0
11:05	12:55	90.2	-500.0	7:35	4:25	500.0	-298.4	4:05	7:55	500.0	372.1
11:00	1:00	98.8	-500.0	7:30	4:30	500.0	-280.9	4:00	8:00	500.0	391.5
10:55	1:05	107.4	-500.0	7:25	4:35	500.0	-263.7				
10:50	1:10	116.2	-500.0	7:20	4:40	500.0	-246.8				
10:45	1:15	125.1	-500.0	7:15	4:45	500.0	-230.2				
10:40	1:20	134.2	-500.0	7:10	4:50	500.0	-213.8				
10:35	1:25	143.4	-500.0	7:05	4:55	500.0	-197.7				
10:30	1:30	152.7	-500.0	7:00	5:00	500.0	-181.7				
10:25	1:35	162.2	-500.0	6:55	5:05	500.0	-165.9				
10:20	1:40	171.9	-500.0	6:50	5:10	500.0	-150.3				
10:15	1:45	181.8	-500.0	6:45	5:15	500.0	-134.9				
10:10	1:50	191.9	-500.0	6:40	5:20	500.0	-119.6				
10:05	1:55	202.2	-500.0	6:35	5:25	500.0	-104.4				
10:00	2:00	212.8	-500.0	6:30	5:30	500.0	-89.3				
9:55	2:05	223.7	-500.0	6:25	5:35	500.0	-74.3				
9:50	2:10	234.8	-500.0	6:20	5:40	500.0	-59.3				
9:45	2:15	246.3	-500.0	6:15	5:45	500.0	-44.4				
9:40	2:20	258.1	-500.0	6:10	5:50	500.0	-29.6				
9:35	2:25	270.3	-500.0	6:05	5:55	500.0	-14.8				
9:30	2:30	282.9	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	295.9	-500.0	5:55	6:05	500.0	14.8				
9:20	2:40	309.3	-500.0	5:50	6:10	500.0	29.6				
9:15	2:45	323.3	-500.0	5:45	6:15	500.0	44.4				
9:10	2:50	337.8	-500.0	5:40	6:20	500.0	59.3				
9:05	2:55	352.9	-500.0	5:35	6:25	500.0	74.3				
9:00	3:00	368.6	-500.0	5:30	6:30	500.0	89.3				
8:55	3:05	385.1	-500.0	5:25	6:35	500.0	104.4				
8:50	3:10	402.3	-500.0	5:20	6:40	500.0	119.6				
8:45	3:15	420.4	-500.0	5:15	6:45	500.0	134.9				
8:40	3:20	439.3	-500.0	5:10	6:50	500.0	150.3				
8:35	3:25	459.3	-500.0	5:05	6:55	500.0	165.9				
8:30	3:30	480.4	-500.0	5:00	7:00	500.0	181.7				

Horizontal Shadow Plane Sundial

Latitude: 47.5° N/S

Earliest Sunrise: 4:01 a.m. Latest Sunset: 7:59 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	24.1	-1500.0	8:25	3:35	1500.0	-1491.8	4:55	7:05	1500.0	593.0
11:50	12:10	48.3	-1500.0	8:20	3:40	1500.0	-1424.6	4:50	7:10	1500.0	641.5
11:45	12:15	72.5	-1500.0	8:15	3:45	1500.0	-1359.4	4:45	7:15	1500.0	690.6
11:40	12:20	96.8	-1500.0	8:10	3:50	1500.0	-1296.1	4:40	7:20	1500.0	740.5
11:35	12:25	121.1	-1500.0	8:05	3:55	1500.0	-1234.6	4:35	7:25	1500.0	791.2
11:30	12:30	145.6	-1500.0	8:00	4:00	1500.0	-1174.6	4:30	7:30	1500.0	842.7
11:25	12:35	170.2	-1500.0	7:55	4:05	1500.0	-1116.2	4:25	7:35	1500.0	895.2
11:20	12:40	195.0	-1500.0	7:50	4:10	1500.0	-1059.1	4:20	7:40	1500.0	948.7
11:15	12:45	220.0	-1500.0	7:45	4:15	1500.0	-1003.3	4:15	7:45	1500.0	1003.3
11:10	12:50	245.2	-1500.0	7:40	4:20	1500.0	-948.7	4:10	7:50	1500.0	1059.1
11:05	12:55	270.6	-1500.0	7:35	4:25	1500.0	-895.2	4:05	7:55	1500.0	1116.2
11:00	1:00	296.3	-1500.0	7:30	4:30	1500.0	-842.7	4:00	8:00	1500.0	1174.6
10:55	1:05	322.3	-1500.0	7:25	4:35	1500.0	-791.2				
10:50	1:10	348.7	-1500.0	7:20	4:40	1500.0	-740.5				
10:45	1:15	375.4	-1500.0	7:15	4:45	1500.0	-690.6				
10:40	1:20	402.5	-1500.0	7:10	4:50	1500.0	-641.5				
10:35	1:25	430.1	-1500.0	7:05	4:55	1500.0	-593.0				
10:30	1:30	458.1	-1500.0	7:00	5:00	1500.0	-545.1				
10:25	1:35	486.6	-1500.0	6:55	5:05	1500.0	-497.8				
10:20	1:40	515.7	-1500.0	6:50	5:10	1500.0	-451.0				
10:15	1:45	545.4	-1500.0	6:45	5:15	1500.0	-404.7				
10:10	1:50	575.7	-1500.0	6:40	5:20	1500.0	-358.7				
10:05	1:55	606.7	-1500.0	6:35	5:25	1500.0	-313.1				
10:00	2:00	638.5	-1500.0	6:30	5:30	1500.0	-267.8				
9:55	2:05	671.1	-1500.0	6:25	5:35	1500.0	-222.8				
9:50	2:10	704.5	-1500.0	6:20	5:40	1500.0	-178.0				
9:45	2:15	738.9	-1500.0	6:15	5:45	1500.0	-133.3				
9:40	2:20	774.4	-1500.0	6:10	5:50	1500.0	-88.8				
9:35	2:25	810.9	-1500.0	6:05	5:55	1500.0	-44.4				
9:30	2:30	848.6	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	887.6	-1500.0	5:55	6:05	1500.0	44.4				
9:20	2:40	928.0	-1500.0	5:50	6:10	1500.0	88.8				
9:15	2:45	969.9	-1500.0	5:45	6:15	1500.0	133.3				
9:10	2:50	1013.4	-1500.0	5:40	6:20	1500.0	178.0				
9:05	2:55	1058.7	-1500.0	5:35	6:25	1500.0	222.8				
9:00	3:00	1105.9	-1500.0	5:30	6:30	1500.0	267.8				
8:55	3:05	1155.3	-1500.0	5:25	6:35	1500.0	313.1				
8:50	3:10	1206.9	-1500.0	5:20	6:40	1500.0	358.7				
8:45	3:15	1261.1	-1500.0	5:15	6:45	1500.0	404.7				
8:40	3:20	1318.0	-1500.0	5:10	6:50	1500.0	451.0				
8:35	3:25	1377.9	-1500.0	5:05	6:55	1500.0	497.8				
8:30	3:30	1441.3	-1500.0	5:00	7:00	1500.0	545.1				