

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 55.0° N/S

Earliest Sunrise: 3:19 a.m. Latest Sunset: 8:41 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	8.9	-500.0	8:25	3:35	500.0	-447.6	4:55	7:05	500.0	177.9
11:50	12:10	17.9	-500.0	8:20	3:40	500.0	-427.4	4:50	7:10	500.0	192.5
11:45	12:15	26.8	-500.0	8:15	3:45	500.0	-407.8	4:45	7:15	500.0	207.2
11:40	12:20	35.8	-500.0	8:10	3:50	500.0	-388.9	4:40	7:20	500.0	222.2
11:35	12:25	44.9	-500.0	8:05	3:55	500.0	-370.4	4:35	7:25	500.0	237.4
11:30	12:30	53.9	-500.0	8:00	4:00	500.0	-352.4	4:30	7:30	500.0	252.8
11:25	12:35	63.0	-500.0	7:55	4:05	500.0	-334.9	4:25	7:35	500.0	268.6
11:20	12:40	72.2	-500.0	7:50	4:10	500.0	-317.7	4:20	7:40	500.0	284.6
11:15	12:45	81.5	-500.0	7:45	4:15	500.0	-301.0	4:15	7:45	500.0	301.0
11:10	12:50	90.8	-500.0	7:40	4:20	500.0	-284.6	4:10	7:50	500.0	317.7
11:05	12:55	100.2	-500.0	7:35	4:25	500.0	-268.6	4:05	7:55	500.0	334.9
11:00	1:00	109.7	-500.0	7:30	4:30	500.0	-252.8	4:00	8:00	500.0	352.4
10:55	1:05	119.4	-500.0	7:25	4:35	500.0	-237.4	3:55	8:05	500.0	370.4
10:50	1:10	129.1	-500.0	7:20	4:40	500.0	-222.2	3:50	8:10	500.0	388.9
10:45	1:15	139.0	-500.0	7:15	4:45	500.0	-207.2	3:45	8:15	500.0	407.8
10:40	1:20	149.1	-500.0	7:10	4:50	500.0	-192.5	3:40	8:20	500.0	427.4
10:35	1:25	159.3	-500.0	7:05	4:55	500.0	-177.9	3:35	8:25	500.0	447.6
10:30	1:30	169.7	-500.0	7:00	5:00	500.0	-163.6	3:30	8:30	500.0	468.4
10:25	1:35	180.2	-500.0	6:55	5:05	500.0	-149.4	3:25	8:35	500.0	489.9
10:20	1:40	191.0	-500.0	6:50	5:10	500.0	-135.3	3:20	8:40	488.1	500.0
10:15	1:45	202.0	-500.0	6:45	5:15	500.0	-121.4	3:15	8:45	467.0	500.0
10:10	1:50	213.2	-500.0	6:40	5:20	500.0	-107.6				
10:05	1:55	224.7	-500.0	6:35	5:25	500.0	-93.9				
10:00	2:00	236.5	-500.0	6:30	5:30	500.0	-80.4				
9:55	2:05	248.5	-500.0	6:25	5:35	500.0	-66.8				
9:50	2:10	260.9	-500.0	6:20	5:40	500.0	-53.4				
9:45	2:15	273.7	-500.0	6:15	5:45	500.0	-40.0				
9:40	2:20	286.8	-500.0	6:10	5:50	500.0	-26.7				
9:35	2:25	300.3	-500.0	6:05	5:55	500.0	-13.3				
9:30	2:30	314.3	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	328.7	-500.0	5:55	6:05	500.0	13.3				
9:20	2:40	343.7	-500.0	5:50	6:10	500.0	26.7				
9:15	2:45	359.2	-500.0	5:45	6:15	500.0	40.0				
9:10	2:50	375.3	-500.0	5:40	6:20	500.0	53.4				
9:05	2:55	392.1	-500.0	5:35	6:25	500.0	66.8				
9:00	3:00	409.6	-500.0	5:30	6:30	500.0	80.4				
8:55	3:05	427.8	-500.0	5:25	6:35	500.0	93.9				
8:50	3:10	447.0	-500.0	5:20	6:40	500.0	107.6				
8:45	3:15	467.0	-500.0	5:15	6:45	500.0	121.4				
8:40	3:20	488.1	-500.0	5:10	6:50	500.0	135.3				
8:35	3:25	500.0	-489.9	5:05	6:55	500.0	149.4				
8:30	3:30	500.0	-468.4	5:00	7:00	500.0	163.6				

Horizontal Shadow Plane Sundial

Latitude: 55.0° N/S

Earliest Sunrise: 3:19 a.m. Latest Sunset: 8:41 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	26.8	-1500.0	8:25	3:35	1500.0	-1342.7	4:55	7:05	1500.0	533.7
11:50	12:10	53.6	-1500.0	8:20	3:40	1500.0	-1282.2	4:50	7:10	1500.0	577.4
11:45	12:15	80.5	-1500.0	8:15	3:45	1500.0	-1223.5	4:45	7:15	1500.0	621.6
11:40	12:20	107.5	-1500.0	8:10	3:50	1500.0	-1166.6	4:40	7:20	1500.0	666.5
11:35	12:25	134.6	-1500.0	8:05	3:55	1500.0	-1111.2	4:35	7:25	1500.0	712.1
11:30	12:30	161.8	-1500.0	8:00	4:00	1500.0	-1057.2	4:30	7:30	1500.0	758.5
11:25	12:35	189.1	-1500.0	7:55	4:05	1500.0	-1004.6	4:25	7:35	1500.0	805.7
11:20	12:40	216.7	-1500.0	7:50	4:10	1500.0	-953.2	4:20	7:40	1500.0	853.9
11:15	12:45	244.4	-1500.0	7:45	4:15	1500.0	-903.0	4:15	7:45	1500.0	903.0
11:10	12:50	272.4	-1500.0	7:40	4:20	1500.0	-853.9	4:10	7:50	1500.0	953.2
11:05	12:55	300.7	-1500.0	7:35	4:25	1500.0	-805.7	4:05	7:55	1500.0	1004.6
11:00	1:00	329.2	-1500.0	7:30	4:30	1500.0	-758.5	4:00	8:00	1500.0	1057.2
10:55	1:05	358.1	-1500.0	7:25	4:35	1500.0	-712.1	3:55	8:05	1500.0	1111.2
10:50	1:10	387.4	-1500.0	7:20	4:40	1500.0	-666.5	3:50	8:10	1500.0	1166.6
10:45	1:15	417.1	-1500.0	7:15	4:45	1500.0	-621.6	3:45	8:15	1500.0	1223.5
10:40	1:20	447.2	-1500.0	7:10	4:50	1500.0	-577.4	3:40	8:20	1500.0	1282.2
10:35	1:25	477.8	-1500.0	7:05	4:55	1500.0	-533.7	3:35	8:25	1500.0	1342.7
10:30	1:30	509.0	-1500.0	7:00	5:00	1500.0	-490.7	3:30	8:30	1500.0	1405.1
10:25	1:35	540.7	-1500.0	6:55	5:05	1500.0	-448.1	3:25	8:35	1500.0	1469.7
10:20	1:40	573.0	-1500.0	6:50	5:10	1500.0	-406.0	3:20	8:40	1464.3	1500.0
10:15	1:45	605.9	-1500.0	6:45	5:15	1500.0	-364.2	3:15	8:45	1401.1	1500.0
10:10	1:50	639.6	-1500.0	6:40	5:20	1500.0	-322.9				
10:05	1:55	674.1	-1500.0	6:35	5:25	1500.0	-281.8				
10:00	2:00	709.4	-1500.0	6:30	5:30	1500.0	-241.1				
9:55	2:05	745.6	-1500.0	6:25	5:35	1500.0	-200.5				
9:50	2:10	782.8	-1500.0	6:20	5:40	1500.0	-160.2				
9:45	2:15	821.0	-1500.0	6:15	5:45	1500.0	-120.0				
9:40	2:20	860.4	-1500.0	6:10	5:50	1500.0	-80.0				
9:35	2:25	900.9	-1500.0	6:05	5:55	1500.0	-40.0				
9:30	2:30	942.8	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	986.2	-1500.0	5:55	6:05	1500.0	40.0				
9:20	2:40	1031.0	-1500.0	5:50	6:10	1500.0	80.0				
9:15	2:45	1077.6	-1500.0	5:45	6:15	1500.0	120.0				
9:10	2:50	1125.9	-1500.0	5:40	6:20	1500.0	160.2				
9:05	2:55	1176.3	-1500.0	5:35	6:25	1500.0	200.5				
9:00	3:00	1228.7	-1500.0	5:30	6:30	1500.0	241.1				
8:55	3:05	1283.5	-1500.0	5:25	6:35	1500.0	281.8				
8:50	3:10	1340.9	-1500.0	5:20	6:40	1500.0	322.9				
8:45	3:15	1401.1	-1500.0	5:15	6:45	1500.0	364.2				
8:40	3:20	1464.3	-1500.0	5:10	6:50	1500.0	406.0				
8:35	3:25	1500.0	-1469.7	5:05	6:55	1500.0	448.1				
8:30	3:30	1500.0	-1405.1	5:00	7:00	1500.0	490.7				