

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 64.0° N/S

Earliest Sunrise: 1:30 a.m. Latest Sunset: 10:30 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	9.8	-500.0	8:25	3:35	500.0	-407.9	4:55	7:05	500.0	162.1
11:50	12:10	19.6	-500.0	8:20	3:40	500.0	-389.5	4:50	7:10	500.0	175.4
11:45	12:15	29.5	-500.0	8:15	3:45	500.0	-371.7	4:45	7:15	500.0	188.8
11:40	12:20	39.3	-500.0	8:10	3:50	500.0	-354.4	4:40	7:20	500.0	202.5
11:35	12:25	49.2	-500.0	8:05	3:55	500.0	-337.6	4:35	7:25	500.0	216.3
11:30	12:30	59.2	-500.0	8:00	4:00	500.0	-321.2	4:30	7:30	500.0	230.4
11:25	12:35	69.2	-500.0	7:55	4:05	500.0	-305.2	4:25	7:35	500.0	244.8
11:20	12:40	79.2	-500.0	7:50	4:10	500.0	-289.6	4:20	7:40	500.0	259.4
11:15	12:45	89.4	-500.0	7:45	4:15	500.0	-274.3	4:15	7:45	500.0	274.3
11:10	12:50	99.6	-500.0	7:40	4:20	500.0	-259.4	4:10	7:50	500.0	289.6
11:05	12:55	110.0	-500.0	7:35	4:25	500.0	-244.8	4:05	7:55	500.0	305.2
11:00	1:00	120.4	-500.0	7:30	4:30	500.0	-230.4	4:00	8:00	500.0	321.2
10:55	1:05	131.0	-500.0	7:25	4:35	500.0	-216.3	3:55	8:05	500.0	337.6
10:50	1:10	141.7	-500.0	7:20	4:40	500.0	-202.5	3:50	8:10	500.0	354.4
10:45	1:15	152.5	-500.0	7:15	4:45	500.0	-188.8	3:45	8:15	500.0	371.7
10:40	1:20	163.6	-500.0	7:10	4:50	500.0	-175.4	3:40	8:20	500.0	389.5
10:35	1:25	174.8	-500.0	7:05	4:55	500.0	-162.1	3:35	8:25	500.0	407.9
10:30	1:30	186.1	-500.0	7:00	5:00	500.0	-149.1	3:30	8:30	500.0	426.9
10:25	1:35	197.7	-500.0	6:55	5:05	500.0	-136.1	3:25	8:35	500.0	446.5
10:20	1:40	209.6	-500.0	6:50	5:10	500.0	-123.3	3:20	8:40	500.0	466.8
10:15	1:45	221.6	-500.0	6:45	5:15	500.0	-110.7	3:15	8:45	500.0	487.9
10:10	1:50	233.9	-500.0	6:40	5:20	500.0	-98.1	3:10	8:50	490.4	500.0
10:05	1:55	246.5	-500.0	6:35	5:25	500.0	-85.6	3:05	8:55	469.4	500.0
10:00	2:00	259.5	-500.0	6:30	5:30	500.0	-73.2	3:00	9:00	449.4	500.0
9:55	2:05	272.7	-500.0	6:25	5:35	500.0	-60.9	2:55	9:05	430.2	500.0
9:50	2:10	286.3	-500.0	6:20	5:40	500.0	-48.7	2:50	9:10	411.8	500.0
9:45	2:15	300.3	-500.0	6:15	5:45	500.0	-36.5	2:45	9:15	394.1	500.0
9:40	2:20	314.7	-500.0	6:10	5:50	500.0	-24.3	2:40	9:20	377.1	500.0
9:35	2:25	329.5	-500.0	6:05	5:55	500.0	-12.1	2:35	9:25	360.7	500.0
9:30	2:30	344.8	-500.0	6:00	6:00	500.0	0.0	2:30	9:30	344.8	500.0
9:25	2:35	360.7	-500.0	5:55	6:05	500.0	12.1	2:25	9:35	329.5	500.0
9:20	2:40	377.1	-500.0	5:50	6:10	500.0	24.3	2:20	9:40	314.7	500.0
9:15	2:45	394.1	-500.0	5:45	6:15	500.0	36.5	2:15	9:45	300.3	500.0
9:10	2:50	411.8	-500.0	5:40	6:20	500.0	48.7	2:10	9:50	286.3	500.0
9:05	2:55	430.2	-500.0	5:35	6:25	500.0	60.9	2:05	9:55	272.7	500.0
9:00	3:00	449.4	-500.0	5:30	6:30	500.0	73.2	2:00	10:00	259.5	500.0
8:55	3:05	469.4	-500.0	5:25	6:35	500.0	85.6	1:55	10:05	246.5	500.0
8:50	3:10	490.4	-500.0	5:20	6:40	500.0	98.1	1:50	10:10	233.9	500.0
8:45	3:15	500.0	-487.9	5:15	6:45	500.0	110.7	1:45	10:15	221.6	500.0
8:40	3:20	500.0	-466.8	5:10	6:50	500.0	123.3	1:40	10:20	209.6	500.0
8:35	3:25	500.0	-446.5	5:05	6:55	500.0	136.1	1:35	10:25	197.7	500.0
8:30	3:30	500.0	-426.9	5:00	7:00	500.0	149.1	1:30	10:30	186.1	500.0

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 64.0° N/S

Earliest Sunrise: 1:30 a.m. Latest Sunset: 10:30 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	29.4	-1500.0	8:25	3:35	1500.0	-1223.7	4:55	7:05	1500.0	486.4
11:50	12:10	58.9	-1500.0	8:20	3:40	1500.0	-1168.6	4:50	7:10	1500.0	526.2
11:45	12:15	88.4	-1500.0	8:15	3:45	1500.0	-1115.1	4:45	7:15	1500.0	566.5
11:40	12:20	118.0	-1500.0	8:10	3:50	1500.0	-1063.2	4:40	7:20	1500.0	607.4
11:35	12:25	147.7	-1500.0	8:05	3:55	1500.0	-1012.7	4:35	7:25	1500.0	649.0
11:30	12:30	177.5	-1500.0	8:00	4:00	1500.0	-963.5	4:30	7:30	1500.0	691.3
11:25	12:35	207.5	-1500.0	7:55	4:05	1500.0	-915.6	4:25	7:35	1500.0	734.3
11:20	12:40	237.7	-1500.0	7:50	4:10	1500.0	-868.8	4:20	7:40	1500.0	778.2
11:15	12:45	268.2	-1500.0	7:45	4:15	1500.0	-823.0	4:15	7:45	1500.0	823.0
11:10	12:50	298.9	-1500.0	7:40	4:20	1500.0	-778.2	4:10	7:50	1500.0	868.8
11:05	12:55	329.9	-1500.0	7:35	4:25	1500.0	-734.3	4:05	7:55	1500.0	915.6
11:00	1:00	361.2	-1500.0	7:30	4:30	1500.0	-691.3	4:00	8:00	1500.0	963.5
10:55	1:05	393.0	-1500.0	7:25	4:35	1500.0	-649.0	3:55	8:05	1500.0	1012.7
10:50	1:10	425.1	-1500.0	7:20	4:40	1500.0	-607.4	3:50	8:10	1500.0	1063.2
10:45	1:15	457.6	-1500.0	7:15	4:45	1500.0	-566.5	3:45	8:15	1500.0	1115.1
10:40	1:20	490.7	-1500.0	7:10	4:50	1500.0	-526.2	3:40	8:20	1500.0	1168.6
10:35	1:25	524.3	-1500.0	7:05	4:55	1500.0	-486.4	3:35	8:25	1500.0	1223.7
10:30	1:30	558.4	-1500.0	7:00	5:00	1500.0	-447.2	3:30	8:30	1500.0	1280.6
10:25	1:35	593.2	-1500.0	6:55	5:05	1500.0	-408.4	3:25	8:35	1500.0	1339.4
10:20	1:40	628.7	-1500.0	6:50	5:10	1500.0	-370.0	3:20	8:40	1500.0	1400.4
10:15	1:45	664.9	-1500.0	6:45	5:15	1500.0	-332.0	3:15	8:45	1500.0	1463.6
10:10	1:50	701.8	-1500.0	6:40	5:20	1500.0	-294.3	3:10	8:50	1471.3	1500.0
10:05	1:55	739.6	-1500.0	6:35	5:25	1500.0	-256.9	3:05	8:55	1408.3	1500.0
10:00	2:00	778.4	-1500.0	6:30	5:30	1500.0	-219.7	3:00	9:00	1348.2	1500.0
9:55	2:05	818.1	-1500.0	6:25	5:35	1500.0	-182.8	2:55	9:05	1290.6	1500.0
9:50	2:10	858.9	-1500.0	6:20	5:40	1500.0	-146.0	2:50	9:10	1235.4	1500.0
9:45	2:15	900.8	-1500.0	6:15	5:45	1500.0	-109.4	2:45	9:15	1182.3	1500.0
9:40	2:20	944.0	-1500.0	6:10	5:50	1500.0	-72.9	2:40	9:20	1131.3	1500.0
9:35	2:25	988.5	-1500.0	6:05	5:55	1500.0	-36.4	2:35	9:25	1082.0	1500.0
9:30	2:30	1034.5	-1500.0	6:00	6:00	1500.0	0.0	2:30	9:30	1034.5	1500.0
9:25	2:35	1082.0	-1500.0	5:55	6:05	1500.0	36.4	2:25	9:35	988.5	1500.0
9:20	2:40	1131.3	-1500.0	5:50	6:10	1500.0	72.9	2:20	9:40	944.0	1500.0
9:15	2:45	1182.3	-1500.0	5:45	6:15	1500.0	109.4	2:15	9:45	900.8	1500.0
9:10	2:50	1235.4	-1500.0	5:40	6:20	1500.0	146.0	2:10	9:50	858.9	1500.0
9:05	2:55	1290.6	-1500.0	5:35	6:25	1500.0	182.8	2:05	9:55	818.1	1500.0
9:00	3:00	1348.2	-1500.0	5:30	6:30	1500.0	219.7	2:00	10:00	778.4	1500.0
8:55	3:05	1408.3	-1500.0	5:25	6:35	1500.0	256.9	1:55	10:05	739.6	1500.0
8:50	3:10	1471.3	-1500.0	5:20	6:40	1500.0	294.3	1:50	10:10	701.8	1500.0
8:45	3:15	1500.0	-1463.6	5:15	6:45	1500.0	332.0	1:45	10:15	664.9	1500.0
8:40	3:20	1500.0	-1400.4	5:10	6:50	1500.0	370.0	1:40	10:20	628.7	1500.0
8:35	3:25	1500.0	-1339.4	5:05	6:55	1500.0	408.4	1:35	10:25	593.2	1500.0
8:30	3:30	1500.0	-1280.6	5:00	7:00	1500.0	447.2	1:30	10:30	558.4	1500.0