

The Sundial Primer - "Dialling Guide"

created by Carl Sabanski

Horizontal Shadow Plane Sundial

Latitude: 41.5° N/S

Earliest Sunrise: 4:24 a.m. Latest Sunset: 7:36 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	7.2	-500.0	8:25	3:35	451.8	-500.0	4:55	7:05	500.0	219.9
11:50	12:10	14.5	-500.0	8:20	3:40	473.2	-500.0	4:50	7:10	500.0	237.9
11:45	12:15	21.7	-500.0	8:15	3:45	495.8	-500.0	4:45	7:15	500.0	256.1
11:40	12:20	29.0	-500.0	8:10	3:50	500.0	-480.7	4:40	7:20	500.0	274.6
11:35	12:25	36.3	-500.0	8:05	3:55	500.0	-457.9	4:35	7:25	500.0	293.4
11:30	12:30	43.6	-500.0	8:00	4:00	500.0	-435.7	4:30	7:30	500.0	312.6
11:25	12:35	51.0	-500.0	7:55	4:05	500.0	-414.0	4:25	7:35	500.0	332.0
11:20	12:40	58.4	-500.0	7:50	4:10	500.0	-392.8	4:20	7:40	500.0	351.9
11:15	12:45	65.9	-500.0	7:45	4:15	500.0	-372.1	4:15	7:45	500.0	372.1
11:10	12:50	73.4	-500.0	7:40	4:20	500.0	-351.9				
11:05	12:55	81.1	-500.0	7:35	4:25	500.0	-332.0				
11:00	1:00	88.8	-500.0	7:30	4:30	500.0	-312.6				
10:55	1:05	96.6	-500.0	7:25	4:35	500.0	-293.4				
10:50	1:10	104.5	-500.0	7:20	4:40	500.0	-274.6				
10:45	1:15	112.5	-500.0	7:15	4:45	500.0	-256.1				
10:40	1:20	120.6	-500.0	7:10	4:50	500.0	-237.9				
10:35	1:25	128.8	-500.0	7:05	4:55	500.0	-219.9				
10:30	1:30	137.2	-500.0	7:00	5:00	500.0	-202.2				
10:25	1:35	145.8	-500.0	6:55	5:05	500.0	-184.6				
10:20	1:40	154.5	-500.0	6:50	5:10	500.0	-167.3				
10:15	1:45	163.4	-500.0	6:45	5:15	500.0	-150.1				
10:10	1:50	172.5	-500.0	6:40	5:20	500.0	-133.1				
10:05	1:55	181.8	-500.0	6:35	5:25	500.0	-116.1				
10:00	2:00	191.3	-500.0	6:30	5:30	500.0	-99.3				
9:55	2:05	201.0	-500.0	6:25	5:35	500.0	-82.6				
9:50	2:10	211.1	-500.0	6:20	5:40	500.0	-66.0				
9:45	2:15	221.4	-500.0	6:15	5:45	500.0	-49.5				
9:40	2:20	232.0	-500.0	6:10	5:50	500.0	-32.9				
9:35	2:25	242.9	-500.0	6:05	5:55	500.0	-16.5				
9:30	2:30	254.2	-500.0	6:00	6:00	500.0	0.0				
9:25	2:35	265.9	-500.0	5:55	6:05	500.0	16.5				
9:20	2:40	278.0	-500.0	5:50	6:10	500.0	32.9				
9:15	2:45	290.6	-500.0	5:45	6:15	500.0	49.5				
9:10	2:50	303.6	-500.0	5:40	6:20	500.0	66.0				
9:05	2:55	317.2	-500.0	5:35	6:25	500.0	82.6				
9:00	3:00	331.3	-500.0	5:30	6:30	500.0	99.3				
8:55	3:05	346.1	-500.0	5:25	6:35	500.0	116.1				
8:50	3:10	361.6	-500.0	5:20	6:40	500.0	133.1				
8:45	3:15	377.8	-500.0	5:15	6:45	500.0	150.1				
8:40	3:20	394.8	-500.0	5:10	6:50	500.0	167.3				
8:35	3:25	412.8	-500.0	5:05	6:55	500.0	184.6				
8:30	3:30	431.8	-500.0	5:00	7:00	500.0	202.2				

Horizontal Shadow Plane Sundial

Latitude: 41.5° N/S

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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	21.7	-1500.0	8:25	3:35	1355.5	-1500.0	4:55	7:05	1500.0	659.8
11:50	12:10	43.4	-1500.0	8:20	3:40	1419.5	-1500.0	4:50	7:10	1500.0	713.8
11:45	12:15	65.1	-1500.0	8:15	3:45	1487.5	-1500.0	4:45	7:15	1500.0	768.4
11:40	12:20	87.0	-1500.0	8:10	3:50	1500.0	-1442.2	4:40	7:20	1500.0	823.9
11:35	12:25	108.9	-1500.0	8:05	3:55	1500.0	-1373.7	4:35	7:25	1500.0	880.3
11:30	12:30	130.9	-1500.0	8:00	4:00	1500.0	-1307.0	4:30	7:30	1500.0	937.7
11:25	12:35	153.0	-1500.0	7:55	4:05	1500.0	-1241.9	4:25	7:35	1500.0	996.1
11:20	12:40	175.3	-1500.0	7:50	4:10	1500.0	-1178.4	4:20	7:40	1500.0	1055.6
11:15	12:45	197.7	-1500.0	7:45	4:15	1500.0	-1116.4	4:15	7:45	1500.0	1116.4
11:10	12:50	220.3	-1500.0	7:40	4:20	1500.0	-1055.6				
11:05	12:55	243.2	-1500.0	7:35	4:25	1500.0	-996.1				
11:00	1:00	266.3	-1500.0	7:30	4:30	1500.0	-937.7				
10:55	1:05	289.7	-1500.0	7:25	4:35	1500.0	-880.3				
10:50	1:10	313.4	-1500.0	7:20	4:40	1500.0	-823.9				
10:45	1:15	337.4	-1500.0	7:15	4:45	1500.0	-768.4				
10:40	1:20	361.8	-1500.0	7:10	4:50	1500.0	-713.8				
10:35	1:25	386.5	-1500.0	7:05	4:55	1500.0	-659.8				
10:30	1:30	411.7	-1500.0	7:00	5:00	1500.0	-606.6				
10:25	1:35	437.3	-1500.0	6:55	5:05	1500.0	-553.9				
10:20	1:40	463.5	-1500.0	6:50	5:10	1500.0	-501.9				
10:15	1:45	490.2	-1500.0	6:45	5:15	1500.0	-450.3				
10:10	1:50	517.4	-1500.0	6:40	5:20	1500.0	-399.2				
10:05	1:55	545.3	-1500.0	6:35	5:25	1500.0	-348.4				
10:00	2:00	573.8	-1500.0	6:30	5:30	1500.0	-298.0				
9:55	2:05	603.1	-1500.0	6:25	5:35	1500.0	-247.9				
9:50	2:10	633.2	-1500.0	6:20	5:40	1500.0	-198.1				
9:45	2:15	664.1	-1500.0	6:15	5:45	1500.0	-148.4				
9:40	2:20	696.0	-1500.0	6:10	5:50	1500.0	-98.8				
9:35	2:25	728.8	-1500.0	6:05	5:55	1500.0	-49.4				
9:30	2:30	762.7	-1500.0	6:00	6:00	1500.0	0.0				
9:25	2:35	797.7	-1500.0	5:55	6:05	1500.0	49.4				
9:20	2:40	834.0	-1500.0	5:50	6:10	1500.0	98.8				
9:15	2:45	871.7	-1500.0	5:45	6:15	1500.0	148.4				
9:10	2:50	910.8	-1500.0	5:40	6:20	1500.0	198.1				
9:05	2:55	951.5	-1500.0	5:35	6:25	1500.0	247.9				
9:00	3:00	993.9	-1500.0	5:30	6:30	1500.0	298.0				
8:55	3:05	1038.3	-1500.0	5:25	6:35	1500.0	348.4				
8:50	3:10	1084.7	-1500.0	5:20	6:40	1500.0	399.2				
8:45	3:15	1133.4	-1500.0	5:15	6:45	1500.0	450.3				
8:40	3:20	1184.5	-1500.0	5:10	6:50	1500.0	501.9				
8:35	3:25	1238.4	-1500.0	5:05	6:55	1500.0	553.9				
8:30	3:30	1295.3	-1500.0	5:00	7:00	1500.0	606.6				