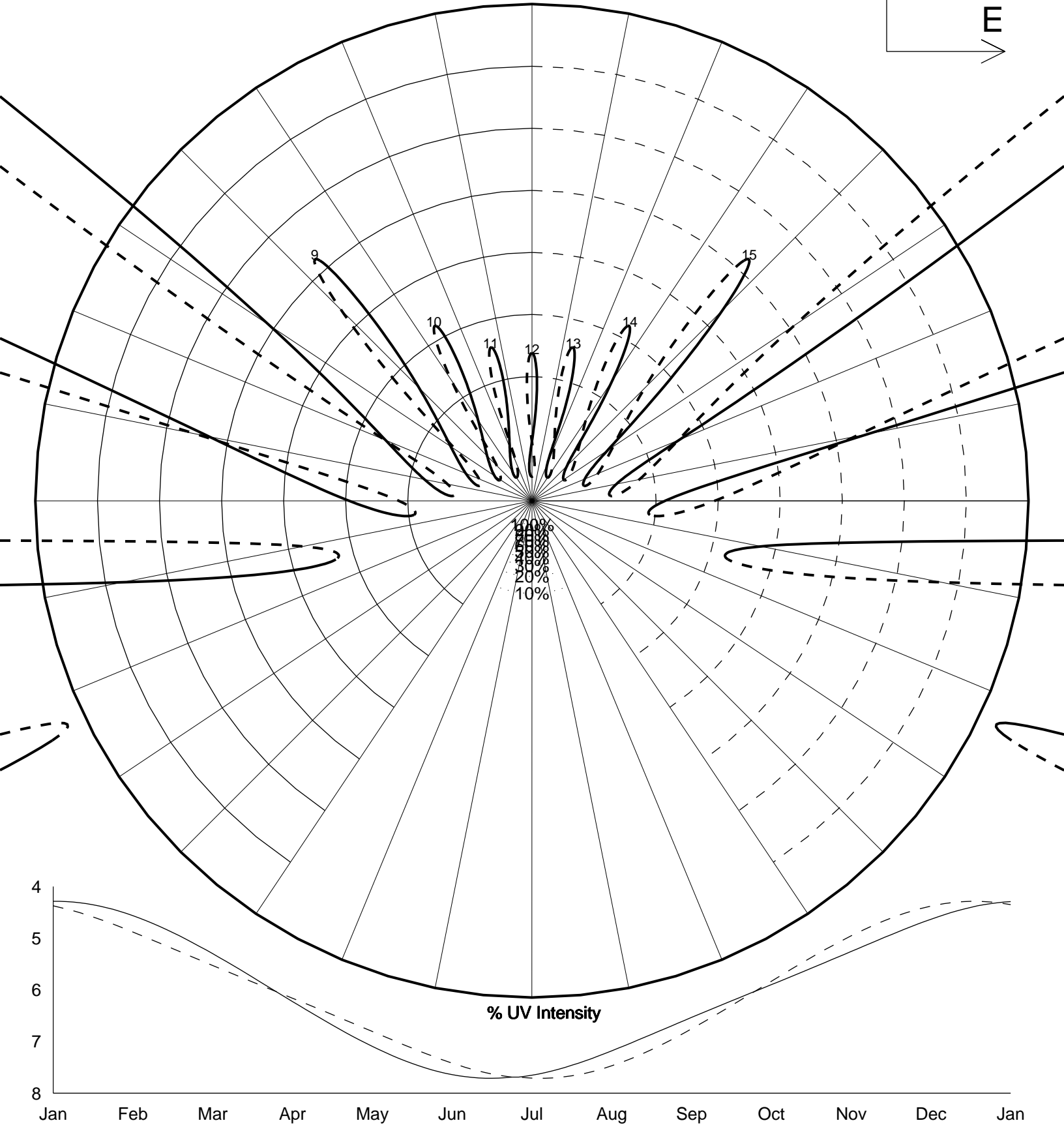
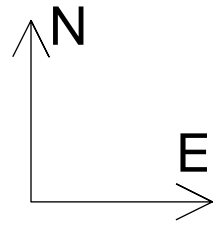
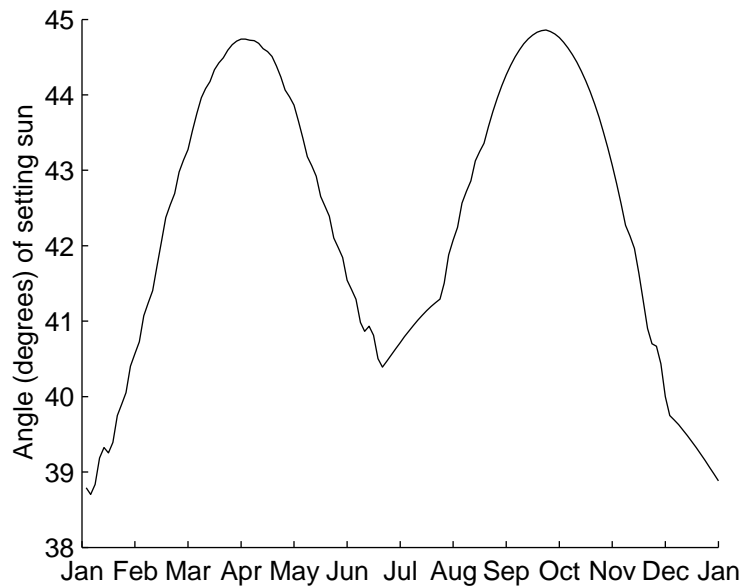
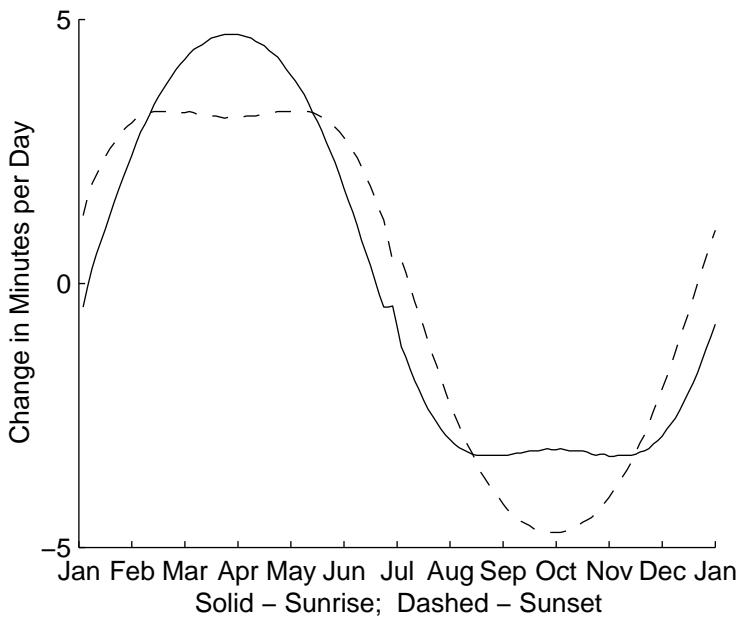


plot title at 45 north

Calibrated Post Height
For UV Readings



Solid: sunrise in hours before noon; Dashed: sunset in hours after noon



Approximate Burn time in minutes (subscripted burn times for horizontal, vertical surfaces)

	13	14	15	18	22	27	36	49	68	95	136	197	287
6.5	13 ₁₈₀	14 ₉₄	15 ₅₃	18 ₄₃	22 ₄₂	27 ₄₆	36 ₅₄	49 ₆₈	68 ₈₉	95 ₁₁₉	136 ₁₈₀	197 ₁₉₇	287 ₂₈₇
	13	14	15	18	22	29	39	53	75	108	157	231	343
6	13 ₁₈₀	14 ₈₈	15 ₅₁	18 ₄₃	23 ₄₃	31 ₄₉	42 ₆₀	59 ₇₉	84 ₁₀₇	123 ₁₈₀	183 ₁₈₃	274 ₂₇₄	415 ₄₁₅
	13	14	16	19	24	32	45	65	95	143	216	331	512
5.5	13 ₁₈₀	14 ₈₄	16 ₄₉	19 ₄₂	24 ₄₄	32 ₅₁	45 ₆₄	65 ₈₆	95 ₁₁₉	143 ₁₈₀	216 ₂₁₆	331 ₃₃₁	512 ₅₁₂
	13	14	16	19	25	35	50	73	110	168	260	408	645
5	13 ₁₈₀	14 ₈₁	16 ₄₈	19 ₄₂	25 ₄₄	35 ₅₃	50 ₆₉	73 ₉₄	110 ₁₃₅	168 ₁₈₀	260 ₂₆₀	408 ₄₀₈	645 ₆₄₅
	13	14	17	20	27	38	55	83	128	200	319	512	832
4.5	13 ₁₈₀	14 ₇₈	17 ₄₇	20 ₄₂	27 ₄₆	38 ₅₆	55 ₇₅	83 ₁₀₅	128 ₁₈₀	200 ₂₀₀	319 ₃₁₉	512 ₅₁₂	832 ₈₃₂
	13	14	17	21	28	41	62	95	151	244	399	660	1100
4	13 ₁₈₀	14 ₇₅	17 ₄₆	21 ₄₂	28 ₄₇	41 ₆₀	62 ₈₂	95 ₁₁₉	151 ₁₈₀	244 ₂₄₄	399 ₃₉₉	660 ₆₆₀	1100 ₁₁₀₀
	13	14	18	22	31	45	70	112	183	304	512	873	1500
3.5	13 ₁₈₀	14 ₇₂	18 ₄₅	22 ₄₂	31 ₄₉	45 ₆₄	70 ₉₁	112 ₁₃₇	183 ₁₈₃	304 ₃₀₄	512 ₅₁₂	873 ₈₇₃	1500 ₁₅₀₀
	13	14	18	23	33	51	81	134	226	389	678	1194	2120
3	13 ₁₈₀	14 ₆₉	18 ₄₄	23 ₄₃	33 ₅₁	51 ₇₀	81 ₁₀₃	134 ₁₈₀	226 ₂₂₆	389 ₃₈₉	678 ₆₇₈	1194 ₁₁₉₄	2120 ₂₁₂₀
	13	14	18	24	36	57	95	164	287	512	927	1694	3120
2.5	13 ₁₈₀	14 ₆₆	18 ₄₃	24 ₄₄	36 ₅₄	57 ₇₇	95 ₁₁₉	164 ₁₈₀	287 ₂₈₇	512 ₅₁₂	927 ₉₂₇	1694 ₁₆₉₄	3120 ₃₁₂₀
	13	14	18	26	40	66	115	206	376	700	1320	2513	4821
2	13 ₁₈₀	14 ₆₃	18 ₄₃	26 ₄₅	40 ₅₉	66 ₈₇	115 ₁₄₁	206 ₂₀₆	376 ₃₇₆	700 ₇₀₀	1320 ₁₃₂₀	2513 ₂₅₁₃	4821 ₄₈₂₁
	13	15	19	28	45	79	143	267	512	999	1972	3930	7890
1.5	13 ₁₈₀	15 ₆₀	19 ₄₂	28 ₄₆	45 ₆₄	79 ₁₀₁	143 ₁₈₀	267 ₂₆₇	512 ₅₁₂	999 ₉₉₉	1972 ₁₉₇₂	3930 ₃₉₃₀	7890 ₇₈₉₀

Brief Notes to Sundial Usage:

The sundial is designed to lie flat – it is not meant to be curved or angled in any way.

Orient the page to North and place a vertical pointer in the middle. Find the radius corresponding to the date, and read the time from the angle of the pointer shadow at that radius.

The UV levels are only a rough approximation, and cannot account for atmospheric variations. On the sundial they are shown as a fraction of maximum exposure level. On the hourglass figure (optional) they are shown in (approximate) UVI units.

The burn-time chart is only intended as a rough guide, and CANNOT be used as any kind of "safe" exposure guarantee or as medical advice.

The hourglass plot shows sunrise–sunset with blue–intensity level approximately proportional to the height of the sun above the horizon.

Annual Daylight Pattern

