EquiLux - EquiNox

www.timeanddate.com/astronomy/equilux

Equilux

“Equilux” is drawn from the Latin terms for equal (equi) and light (lux).

A location's equilux dates depend on the latitude (Breedtegraad). Locations on or near the equator never experience equal day and night.

Locatie	Breedtegraad
Jeruzalem	31.768319
Bellingwolde	53.1112317
Amsterdam	52.3727598

Approx. equilux dates

Latitude	March	September
60° North	Mar 18	Sep 25
55° North	Mar 17	Sep 25
50° North	Mar 17	Sep 25
45° North	Mar 17	Sep 25
40° North	Mar 17	Sep 26
35° North	Mar 16	Sep 26
30° North	Mar 16	Sep 27
25° North	Mar 15	Sep 27
20° North	Mar 14	Sep 28
15° North	Mar 12	Sep 30
10° North	Mar 8	Oct 4
5° North	Feb 24	Oct 17
Equator	No equal day and night	

Equalnox

“Equinox” is drawn from the Latin terms for equal (equi) and night (nox).

To calculate an equinox, on the other hand, the Sun is thought of as a single point, set in the center of the disk. An equinox occurs when the subsolar point—the spot on the Earth directly beneath the Sun—crosses the equator, equally straddling the Southern and Northern Hemispheres.

On those days, the center point of the Sun indeed rises and sets 12 hours apart.

But since we measure sunrise and sunset by thinking of the Sun as a disk, the top edge of the Sun appears a little earlier and sets a bit later than the center point. This difference creates a few extra minutes of daylight on the date of an equinox at most latitudes.