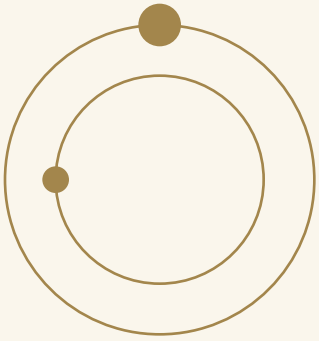
## The Great Wheel of the Year

# HAELORAN ALMANAC

## 684 AE



A public companion to *The Weight of Wings*

Twelve months. Three hundred and sixty-five days.
The seasons of Haelora and the changing faces of Elara and Nyvara.

CINDERCRAG / 45° NORTH

Daily calendar • Seasonal milestones • Estimated daylight
Illustrative lunar phases • The marriage on 18 Floren

Calendar dates follow the supplied export. Solar times are estimates; weekdays and lunar phase dates retain the stated conventions of the companion workbook.

# Reading the almanac

**The calendar.** The JSON supplies the twelve month lengths, seven weekday names, 24-hour clock, and no leap days. Every date in 684 AE appears once in the monthly tables.

**The weekday convention.** As in the writer's workbook, 1 Hivren is shown as Firstday, followed by Avarsday, Torrensday, Marketday, Nerisday, Orethsday and Hearthday. This interprets first_day=1 as a zero-based index for this year. The export's year-to-year weekday alignment has not been confirmed; these are provisional calendar weekdays.

**The seasons.** Daily season labels follow the explicit calendar events: Greening begins 1 Helmir, Highsun 1 Solenne, Waning 1 Messan and Deepcold 1 Noctren. Deepcold continues through Hivren and Brenach.

**The sunlight.** Sunrise, sunset and daylight are the companion workbook's model-derived values for 45° N. Times are local solar estimates, with noon fixed at 12:00, not civil clock predictions. They are not the JSON's seasonal clock presets.

**The moons.** Elara has a 29.6-day cycle and Nyvara a 92.5-day cycle. Phase labels are illustrative eight-phase bins, assuming both moons are new on 1 Hivren 684 AE. Wax = waxing; Wane = waning. Labels describe a phase interval, not an exact instant.

**Marked dates.** Gold-highlighted rows correspond to the seasonal milestones or marriage listed beneath each monthly table. Equinox and solstice dates are calendar observances from the JSON, not calculated transit times.

**Month-length note.** The source has Orien 30 days and Messan 31 days. Earlier discussion used Orien 31 and Messan 30. This edition preserves the source, including 31 Messan; the year remains 365 days.

# Hivren

DEEPCOLD / CINDERCRAG

| Day | Weekday* | Season | Rise† | Set† | Daylight† | Elara‡ | Nyvara‡ |
|---|---|---|---|---|---|---|---|
| 1 | Firstday | Deepcold | 07:40 | 16:20 | 8h 41m | New | New |
| 2 | Avarsday | Deepcold | 07:39 | 16:21 | 8h 42m | New | New |
| 3 | Torrensday | Deepcold | 07:39 | 16:21 | 8h 43m | Wax crescent | New |
| 4 | Marketday | Deepcold | 07:38 | 16:22 | 8h 44m | Wax crescent | New |
| 5 | Nerisday | Deepcold | 07:37 | 16:23 | 8h 45m | Wax crescent | New |
| 6 | Orethsday | Deepcold | 07:37 | 16:23 | 8h 46m | Wax crescent | New |
| 7 | Hearthday | Deepcold | 07:36 | 16:24 | 8h 48m | First quarter | Wax crescent |
| 8 | Firstday | Deepcold | 07:35 | 16:25 | 8h 49m | First quarter | Wax crescent |
| 9 | Avarsday | Deepcold | 07:35 | 16:25 | 8h 51m | First quarter | Wax crescent |
| 10 | Torrensday | Deepcold | 07:34 | 16:26 | 8h 52m | First quarter | Wax crescent |
| 11 | Marketday | Deepcold | 07:33 | 16:27 | 8h 54m | Wax gibbous | Wax crescent |
| 12 | Nerisday | Deepcold | 07:32 | 16:28 | 8h 55m | Wax gibbous | Wax crescent |
| 13 | Orethsday | Deepcold | 07:32 | 16:28 | 8h 57m | Wax gibbous | Wax crescent |
| 14 | Hearthday | Deepcold | 07:31 | 16:29 | 8h 59m | Full | Wax crescent |
| 15 | Firstday | Deepcold | 07:30 | 16:30 | 9h 00m | Full | Wax crescent |
| 16 | Avarsday | Deepcold | 07:29 | 16:31 | 9h 02m | Full | Wax crescent |
| 17 | Torrensday | Deepcold | 07:28 | 16:32 | 9h 04m | Full | Wax crescent |
| 18 | Marketday | Deepcold | 07:27 | 16:33 | 9h 06m | Wane gibbous | Wax crescent |
| 19 | Nerisday | Deepcold | 07:26 | 16:34 | 9h 08m | Wane gibbous | First quarter |
| 20 | Orethsday | Deepcold | 07:25 | 16:35 | 9h 10m | Wane gibbous | First quarter |
| 21 | Hearthday | Deepcold | 07:24 | 16:36 | 9h 12m | Wane gibbous | First quarter |
| 22 | Firstday | Deepcold | 07:23 | 16:37 | 9h 14m | Last quarter | First quarter |
| 23 | Avarsday | Deepcold | 07:22 | 16:38 | 9h 17m | Last quarter | First quarter |
| 24 | Torrensday | Deepcold | 07:21 | 16:39 | 9h 19m | Last quarter | First quarter |
| 25 | Marketday | Deepcold | 07:19 | 16:41 | 9h 21m | Last quarter | First quarter |
| 26 | Nerisday | Deepcold | 07:18 | 16:42 | 9h 23m | Wane crescent | First quarter |
| 27 | Orethsday | Deepcold | 07:17 | 16:43 | 9h 26m | Wane crescent | First quarter |
| 28 | Hearthday | Deepcold | 07:16 | 16:44 | 9h 28m | Wane crescent | First quarter |
| 29 | Firstday | Deepcold | 07:15 | 16:45 | 9h 30m | New | First quarter |
| 30 | Avarsday | Deepcold | 07:14 | 16:46 | 9h 33m | New | Wax gibbous |
| 31 | Torrensday | Deepcold | 07:12 | 16:48 | 9h 35m | New | Wax gibbous |

* Weekday convention  † Solar estimates  ‡ Illustrative phases

See Reading the almanac and Source & calculation notes.

# Brenach

DEEPCOLD / CINDERCRAG

| Day | Weekday* | Season | Rise† | Set† | Daylight† | Elara‡ | Nyvara‡ |
|---|---|---|---|---|---|---|---|
| 1 | Marketday | Deepcold | 07:11 | 16:49 | 9h 38m | New | Wax gibbous |
| 2 | Nerisday | Deepcold | 07:10 | 16:50 | 9h 41m | Wax crescent | Wax gibbous |
| 3 | Orethsday | Deepcold | 07:08 | 16:52 | 9h 43m | Wax crescent | Wax gibbous |
| 4 | Hearthday | Deepcold | 07:07 | 16:53 | 9h 46m | Wax crescent | Wax gibbous |
| 5 | Firstday | Deepcold | 07:06 | 16:54 | 9h 48m | Wax crescent | Wax gibbous |
| 6 | Avarsday | Deepcold | 07:04 | 16:56 | 9h 51m | First quarter | Wax gibbous |
| 7 | Torrensday | Deepcold | 07:03 | 16:57 | 9h 54m | First quarter | Wax gibbous |
| 8 | Marketday | Deepcold | 07:02 | 16:58 | 9h 57m | First quarter | Wax gibbous |
| 9 | Nerisday | Deepcold | 07:00 | 17:00 | 9h 59m | Wax gibbous | Wax gibbous |
| 10 | Orethsday | Deepcold | 06:59 | 17:01 | 10h 02m | Wax gibbous | Wax gibbous |
| 11 | Hearthday | Deepcold | 06:57 | 17:03 | 10h 05m | Wax gibbous | Full |
| 12 | Firstday | Deepcold | 06:56 | 17:04 | 10h 08m | Wax gibbous | Full |
| 13 | Avarsday | Deepcold | 06:55 | 17:05 | 10h 11m | Full | Full |
| 14 | Torrensday | Deepcold | 06:53 | 17:07 | 10h 14m | Full | Full |
| 15 | Marketday | Deepcold | 06:52 | 17:08 | 10h 17m | Full | Full |
| 16 | Nerisday | Deepcold | 06:50 | 17:10 | 10h 20m | Full | Full |
| 17 | Orethsday | Deepcold | 06:49 | 17:11 | 10h 23m | Wane gibbous | Full |
| 18 | Hearthday | Deepcold | 06:47 | 17:13 | 10h 26m | Wane gibbous | Full |
| 19 | Firstday | Deepcold | 06:46 | 17:14 | 10h 29m | Wane gibbous | Full |
| 20 | Avarsday | Deepcold | 06:44 | 17:16 | 10h 32m | Last quarter | Full |
| 21 | Torrensday | Deepcold | 06:43 | 17:17 | 10h 35m | Last quarter | Full |
| 22 | Marketday | Deepcold | 06:41 | 17:19 | 10h 38m | Last quarter | Full |
| 23 | Nerisday | Deepcold | 06:40 | 17:20 | 10h 41m | Last quarter | Wane gibbous |
| 24 | Orethsday | Deepcold | 06:38 | 17:22 | 10h 44m | Wane crescent | Wane gibbous |
| 25 | Hearthday | Deepcold | 06:37 | 17:23 | 10h 47m | Wane crescent | Wane gibbous |
| 26 | Firstday | Deepcold | 06:35 | 17:25 | 10h 50m | Wane crescent | Wane gibbous |
| 27 | Avarsday | Deepcold | 06:33 | 17:27 | 10h 53m | Wane crescent | Wane gibbous |
| 28 | Torrensday | Deepcold | 06:32 | 17:28 | 10h 56m | New | Wane gibbous |

* Weekday convention  † Solar estimates  ‡ Illustrative phases

See Reading the almanac and Source & calculation notes.

# Helmir

GREENING / CINDERCRAG

| Day | Weekday* | Season | Rise† | Set† | Daylight† | Elara‡ | Nyvara‡ |
|---|---|---|---|---|---|---|---|
| 1 | Marketday | Greening | 06:30 | 17:30 | 10h 59m | New | Wane gibbous |
| 2 | Nerisday | Greening | 06:29 | 17:31 | 11h 02m | New | Wane gibbous |
| 3 | Orethsday | Greening | 06:27 | 17:33 | 11h 06m | New | Wane gibbous |
| 4 | Hearthday | Greening | 06:26 | 17:34 | 11h 09m | Wax crescent | Wane gibbous |
| 5 | Firstday | Greening | 06:24 | 17:36 | 11h 12m | Wax crescent | Wane gibbous |
| 6 | Avarsday | Greening | 06:22 | 17:38 | 11h 15m | Wax crescent | Last quarter |
| 7 | Torrensday | Greening | 06:21 | 17:39 | 11h 18m | First quarter | Last quarter |
| 8 | Marketday | Greening | 06:19 | 17:41 | 11h 21m | First quarter | Last quarter |
| 9 | Nerisday | Greening | 06:18 | 17:42 | 11h 25m | First quarter | Last quarter |
| 10 | Orethsday | Greening | 06:16 | 17:44 | 11h 28m | First quarter | Last quarter |
| 11 | Hearthday | Greening | 06:14 | 17:46 | 11h 31m | Wax gibbous | Last quarter |
| 12 | Firstday | Greening | 06:13 | 17:47 | 11h 34m | Wax gibbous | Last quarter |
| 13 | Avarsday | Greening | 06:11 | 17:49 | 11h 37m | Wax gibbous | Last quarter |
| 14 | Torrensday | Greening | 06:10 | 17:50 | 11h 41m | Wax gibbous | Last quarter |
| 15 | Marketday | Greening | 06:08 | 17:52 | 11h 44m | Full | Last quarter |
| 16 | Nerisday | Greening | 06:06 | 17:54 | 11h 47m | Full | Last quarter |
| 17 | Orethsday | Greening | 06:05 | 17:55 | 11h 50m | Full | Last quarter |
| 18 | Hearthday | Greening | 06:03 | 17:57 | 11h 54m | Wane gibbous | Wane crescent |
| 19 | Firstday | Greening | 06:02 | 17:58 | 11h 57m | Wane gibbous | Wane crescent |
| 20 | Avarsday | Greening | 06:00 | 18:00 | 12h 00m | Wane gibbous | Wane crescent |
| 21 | Torrensday | Greening | 05:58 | 18:02 | 12h 03m | Wane gibbous | Wane crescent |
| 22 | Marketday | Greening | 05:57 | 18:03 | 12h 06m | Last quarter | Wane crescent |
| 23 | Nerisday | Greening | 05:55 | 18:05 | 12h 10m | Last quarter | Wane crescent |
| 24 | Orethsday | Greening | 05:54 | 18:06 | 12h 13m | Last quarter | Wane crescent |
| 25 | Hearthday | Greening | 05:52 | 18:08 | 12h 16m | Last quarter | Wane crescent |
| 26 | Firstday | Greening | 05:50 | 18:10 | 12h 19m | Wane crescent | Wane crescent |
| 27 | Avarsday | Greening | 05:49 | 18:11 | 12h 23m | Wane crescent | Wane crescent |
| 28 | Torrensday | Greening | 05:47 | 18:13 | 12h 26m | Wane crescent | Wane crescent |
| 29 | Marketday | Greening | 05:46 | 18:14 | 12h 29m | New | New |
| 30 | Nerisday | Greening | 05:44 | 18:16 | 12h 32m | New | New |
| 31 | Orethsday | Greening | 05:42 | 18:18 | 12h 35m | New | New |

**1 Helmir:** Greening begins

**20 Helmir:** Greening Equinox

* Weekday convention  † Solar estimates  ‡ Illustrative phases

See Reading the almanac and Source & calculation notes.

# Baishen

GREENING / CINDERCRAG

| Day | Weekday* | Season | Rise† | Set† | Daylight† | Elara‡ | Nyvara‡ |
|---|---|---|---|---|---|---|---|
| 1 | Hearthday | Greening | 05:41 | 18:19 | 12h 39m | New | New |
| 2 | Firstday | Greening | 05:39 | 18:21 | 12h 42m | Wax crescent | New |
| 3 | Avarsday | Greening | 05:38 | 18:22 | 12h 45m | Wax crescent | New |
| 4 | Torrensday | Greening | 05:36 | 18:24 | 12h 48m | Wax crescent | New |
| 5 | Marketday | Greening | 05:34 | 18:26 | 12h 51m | Wax crescent | New |
| 6 | Nerisday | Greening | 05:33 | 18:27 | 12h 54m | First quarter | New |
| 7 | Orethsday | Greening | 05:31 | 18:29 | 12h 58m | First quarter | New |
| 8 | Hearthday | Greening | 05:30 | 18:30 | 13h 01m | First quarter | New |
| 9 | Firstday | Greening | 05:28 | 18:32 | 13h 04m | First quarter | New |
| 10 | Avarsday | Greening | 05:27 | 18:33 | 13h 07m | Wax gibbous | Wax crescent |
| 11 | Torrensday | Greening | 05:25 | 18:35 | 13h 10m | Wax gibbous | Wax crescent |
| 12 | Marketday | Greening | 05:23 | 18:37 | 13h 13m | Wax gibbous | Wax crescent |
| 13 | Nerisday | Greening | 05:22 | 18:38 | 13h 16m | Full | Wax crescent |
| 14 | Orethsday | Greening | 05:20 | 18:40 | 13h 19m | Full | Wax crescent |
| 15 | Hearthday | Greening | 05:19 | 18:41 | 13h 22m | Full | Wax crescent |
| 16 | Firstday | Greening | 05:17 | 18:43 | 13h 25m | Full | Wax crescent |
| 17 | Avarsday | Greening | 05:16 | 18:44 | 13h 28m | Wane gibbous | Wax crescent |
| 18 | Torrensday | Greening | 05:14 | 18:46 | 13h 31m | Wane gibbous | Wax crescent |
| 19 | Marketday | Greening | 05:13 | 18:47 | 13h 34m | Wane gibbous | Wax crescent |
| 20 | Nerisday | Greening | 05:11 | 18:49 | 13h 37m | Wane gibbous | Wax crescent |
| 21 | Orethsday | Greening | 05:10 | 18:50 | 13h 40m | Last quarter | First quarter |
| 22 | Hearthday | Greening | 05:08 | 18:52 | 13h 43m | Last quarter | First quarter |
| 23 | Firstday | Greening | 05:07 | 18:53 | 13h 46m | Last quarter | First quarter |
| 24 | Avarsday | Greening | 05:05 | 18:55 | 13h 49m | Wane crescent | First quarter |
| 25 | Torrensday | Greening | 05:04 | 18:56 | 13h 52m | Wane crescent | First quarter |
| 26 | Marketday | Greening | 05:03 | 18:57 | 13h 55m | Wane crescent | First quarter |
| 27 | Nerisday | Greening | 05:01 | 18:59 | 13h 58m | Wane crescent | First quarter |
| 28 | Orethsday | Greening | 05:00 | 19:00 | 14h 01m | New | First quarter |
| 29 | Hearthday | Greening | 04:58 | 19:02 | 14h 03m | New | First quarter |
| 30 | Firstday | Greening | 04:57 | 19:03 | 14h 06m | New | First quarter |

* Weekday convention  † Solar estimates  ‡ Illustrative phases

See Reading the almanac and Source & calculation notes.

# Floren

GREENING / CINDERCRAG

| Day | Weekday* | Season | Rise† | Set† | Daylight† | Elara‡ | Nyvara‡ |
|---|---|---|---|---|---|---|---|
| 1 | Avarsday | Greening | 04:56 | 19:04 | 14h 09m | New | First quarter |
| 2 | Torrensday | Greening | 04:54 | 19:06 | 14h 12m | Wax crescent | First quarter |
| 3 | Marketday | Greening | 04:53 | 19:07 | 14h 14m | Wax crescent | Wax gibbous |
| 4 | Nerisday | Greening | 04:52 | 19:08 | 14h 17m | Wax crescent | Wax gibbous |
| 5 | Orethsday | Greening | 04:50 | 19:10 | 14h 19m | First quarter | Wax gibbous |
| 6 | Hearthday | Greening | 04:49 | 19:11 | 14h 22m | First quarter | Wax gibbous |
| 7 | Firstday | Greening | 04:48 | 19:12 | 14h 25m | First quarter | Wax gibbous |
| 8 | Avarsday | Greening | 04:46 | 19:14 | 14h 27m | First quarter | Wax gibbous |
| 9 | Torrensday | Greening | 04:45 | 19:15 | 14h 30m | Wax gibbous | Wax gibbous |
| 10 | Marketday | Greening | 04:44 | 19:16 | 14h 32m | Wax gibbous | Wax gibbous |
| 11 | Nerisday | Greening | 04:43 | 19:17 | 14h 34m | Wax gibbous | Wax gibbous |
| 12 | Orethsday | Greening | 04:42 | 19:18 | 14h 37m | Wax gibbous | Wax gibbous |
| 13 | Hearthday | Greening | 04:41 | 19:19 | 14h 39m | Full | Wax gibbous |
| 14 | Firstday | Greening | 04:39 | 19:21 | 14h 41m | Full | Full |
| 15 | Avarsday | Greening | 04:38 | 19:22 | 14h 43m | Full | Full |
| 16 | Torrensday | Greening | 04:37 | 19:23 | 14h 46m | Full | Full |
| 17 | Marketday | Greening | 04:36 | 19:24 | 14h 48m | Wane gibbous | Full |
| 18 | Nerisday | Greening | 04:35 | 19:25 | 14h 50m | Wane gibbous | Full |
| 19 | Orethsday | Greening | 04:34 | 19:26 | 14h 52m | Wane gibbous | Full |
| 20 | Hearthday | Greening | 04:33 | 19:27 | 14h 54m | Last quarter | Full |
| 21 | Firstday | Greening | 04:32 | 19:28 | 14h 56m | Last quarter | Full |
| 22 | Avarsday | Greening | 04:31 | 19:29 | 14h 58m | Last quarter | Full |
| 23 | Torrensday | Greening | 04:30 | 19:30 | 15h 00m | Last quarter | Full |
| 24 | Marketday | Greening | 04:29 | 19:31 | 15h 01m | Wane crescent | Full |
| 25 | Nerisday | Greening | 04:28 | 19:32 | 15h 03m | Wane crescent | Full |
| 26 | Orethsday | Greening | 04:28 | 19:32 | 15h 05m | Wane crescent | Wane gibbous |
| 27 | Hearthday | Greening | 04:27 | 19:33 | 15h 06m | Wane crescent | Wane gibbous |
| 28 | Firstday | Greening | 04:26 | 19:34 | 15h 08m | New | Wane gibbous |
| 29 | Avarsday | Greening | 04:25 | 19:35 | 15h 09m | New | Wane gibbous |
| 30 | Torrensday | Greening | 04:25 | 19:35 | 15h 11m | New | Wane gibbous |
| 31 | Marketday | Greening | 04:24 | 19:36 | 15h 12m | Wax crescent | Wane gibbous |

**18 Floren:** Marriage of Caedros, Sovereign Duke of Dravaryn, and Lady Isolde Breckenfell of Gullmere.

* Weekday convention  † Solar estimates  ‡ Illustrative phases

See Reading the almanac and Source & calculation notes.

# Solenne

HIGHSUN / CINDERCRAG

| Day | Weekday* | Season | Rise† | Set† | Daylight† | Elara‡ | Nyvara‡ |
|---|---|---|---|---|---|---|---|
| 1 | Nerisday | Highsun | 04:23 | 19:37 | 15h 14m | Wax crescent | Wane gibbous |
| 2 | Orethsday | Highsun | 04:23 | 19:37 | 15h 15m | Wax crescent | Wane gibbous |
| 3 | Hearthday | Highsun | 04:22 | 19:38 | 15h 16m | Wax crescent | Wane gibbous |
| 4 | Firstday | Highsun | 04:21 | 19:39 | 15h 17m | First quarter | Wane gibbous |
| 5 | Avarsday | Highsun | 04:21 | 19:39 | 15h 18m | First quarter | Wane gibbous |
| 6 | Torrensday | Highsun | 04:20 | 19:40 | 15h 19m | First quarter | Wane gibbous |
| 7 | Marketday | Highsun | 04:20 | 19:40 | 15h 20m | First quarter | Last quarter |
| 8 | Nerisday | Highsun | 04:20 | 19:40 | 15h 21m | Wax gibbous | Last quarter |
| 9 | Orethsday | Highsun | 04:19 | 19:41 | 15h 22m | Wax gibbous | Last quarter |
| 10 | Hearthday | Highsun | 04:19 | 19:41 | 15h 22m | Wax gibbous | Last quarter |
| 11 | Firstday | Highsun | 04:18 | 19:42 | 15h 23m | Full | Last quarter |
| 12 | Avarsday | Highsun | 04:18 | 19:42 | 15h 24m | Full | Last quarter |
| 13 | Torrensday | Highsun | 04:18 | 19:42 | 15h 24m | Full | Last quarter |
| 14 | Marketday | Highsun | 04:18 | 19:42 | 15h 25m | Full | Last quarter |
| 15 | Nerisday | Highsun | 04:18 | 19:42 | 15h 25m | Wane gibbous | Last quarter |
| 16 | Orethsday | Highsun | 04:17 | 19:43 | 15h 25m | Wane gibbous | Last quarter |
| 17 | Hearthday | Highsun | 04:17 | 19:43 | 15h 25m | Wane gibbous | Last quarter |
| 18 | Firstday | Highsun | 04:17 | 19:43 | 15h 25m | Wane gibbous | Wane crescent |
| 19 | Avarsday | Highsun | 04:17 | 19:43 | 15h 26m | Last quarter | Wane crescent |
| 20 | Torrensday | Highsun | 04:17 | 19:43 | 15h 26m | Last quarter | Wane crescent |
| 21 | Marketday | Highsun | 04:17 | 19:43 | 15h 25m | Last quarter | Wane crescent |
| 22 | Nerisday | Highsun | 04:17 | 19:43 | 15h 25m | Last quarter | Wane crescent |
| 23 | Orethsday | Highsun | 04:17 | 19:43 | 15h 25m | Wane crescent | Wane crescent |
| 24 | Hearthday | Highsun | 04:18 | 19:42 | 15h 25m | Wane crescent | Wane crescent |
| 25 | Firstday | Highsun | 04:18 | 19:42 | 15h 24m | Wane crescent | Wane crescent |
| 26 | Avarsday | Highsun | 04:18 | 19:42 | 15h 24m | New | Wane crescent |
| 27 | Torrensday | Highsun | 04:18 | 19:42 | 15h 23m | New | Wane crescent |
| 28 | Marketday | Highsun | 04:19 | 19:41 | 15h 23m | New | Wane crescent |
| 29 | Nerisday | Highsun | 04:19 | 19:41 | 15h 22m | New | Wane crescent |
| 30 | Orethsday | Highsun | 04:19 | 19:41 | 15h 21m | Wax crescent | New |

**1 Solenne:** Highsun begins

**21 Solenne:** Highsun Solstice

* Weekday convention  † Solar estimates  ‡ Illustrative phases
See Reading the almanac and Source & calculation notes.

# Somren

HIGHSUN / CINDERCRAG

| Day | Weekday* | Season | Rise† | Set† | Daylight† | Elara‡ | Nyvara‡ |
|---|---|---|---|---|---|---|---|
| 1 | Hearthday | Highsun | 04:20 | 19:40 | 15h 21m | Wax crescent | New |
| 2 | Firstday | Highsun | 04:20 | 19:40 | 15h 20m | Wax crescent | New |
| 3 | Avarsday | Highsun | 04:21 | 19:39 | 15h 19m | Wax crescent | New |
| 4 | Torrensday | Highsun | 04:21 | 19:39 | 15h 18m | First quarter | New |
| 5 | Marketday | Highsun | 04:22 | 19:38 | 15h 17m | First quarter | New |
| 6 | Nerisday | Highsun | 04:22 | 19:38 | 15h 16m | First quarter | New |
| 7 | Orethsday | Highsun | 04:23 | 19:37 | 15h 14m | Wax gibbous | New |
| 8 | Hearthday | Highsun | 04:23 | 19:37 | 15h 13m | Wax gibbous | New |
| 9 | Firstday | Highsun | 04:24 | 19:36 | 15h 12m | Wax gibbous | New |
| 10 | Avarsday | Highsun | 04:25 | 19:35 | 15h 10m | Wax gibbous | New |
| 11 | Torrensday | Highsun | 04:26 | 19:34 | 15h 09m | Full | Wax crescent |
| 12 | Marketday | Highsun | 04:26 | 19:34 | 15h 07m | Full | Wax crescent |
| 13 | Nerisday | Highsun | 04:27 | 19:33 | 15h 06m | Full | Wax crescent |
| 14 | Orethsday | Highsun | 04:28 | 19:32 | 15h 04m | Full | Wax crescent |
| 15 | Hearthday | Highsun | 04:29 | 19:31 | 15h 02m | Wane gibbous | Wax crescent |
| 16 | Firstday | Highsun | 04:30 | 19:30 | 15h 01m | Wane gibbous | Wax crescent |
| 17 | Avarsday | Highsun | 04:31 | 19:29 | 14h 59m | Wane gibbous | Wax crescent |
| 18 | Torrensday | Highsun | 04:31 | 19:29 | 14h 57m | Last quarter | Wax crescent |
| 19 | Marketday | Highsun | 04:32 | 19:28 | 14h 55m | Last quarter | Wax crescent |
| 20 | Nerisday | Highsun | 04:33 | 19:27 | 14h 53m | Last quarter | Wax crescent |
| 21 | Orethsday | Highsun | 04:34 | 19:26 | 14h 51m | Last quarter | Wax crescent |
| 22 | Hearthday | Highsun | 04:35 | 19:25 | 14h 49m | Wane crescent | Wax crescent |
| 23 | Firstday | Highsun | 04:37 | 19:23 | 14h 47m | Wane crescent | First quarter |
| 24 | Avarsday | Highsun | 04:38 | 19:22 | 14h 45m | Wane crescent | First quarter |
| 25 | Torrensday | Highsun | 04:39 | 19:21 | 14h 43m | Wane crescent | First quarter |
| 26 | Marketday | Highsun | 04:40 | 19:20 | 14h 40m | New | First quarter |
| 27 | Nerisday | Highsun | 04:41 | 19:19 | 14h 38m | New | First quarter |
| 28 | Orethsday | Highsun | 04:42 | 19:18 | 14h 36m | New | First quarter |
| 29 | Hearthday | Highsun | 04:43 | 19:17 | 14h 33m | New | First quarter |
| 30 | Firstday | Highsun | 04:44 | 19:16 | 14h 31m | Wax crescent | First quarter |
| 31 | Avarsday | Highsun | 04:46 | 19:14 | 14h 29m | Wax crescent | First quarter |

* Weekday convention  † Solar estimates  ‡ Illustrative phases

See Reading the almanac and Source & calculation notes.

# Orien

HIGHSUN / CINDERCRAG

| Day | Weekday* | Season | Rise† | Set† | Daylight† | Elara‡ | Nyvara‡ |
|---|---|---|---|---|---|---|---|
| 1 | Torrensday | Highsun | 04:47 | 19:13 | 14h 26m | Wax crescent | First quarter |
| 2 | Marketday | Highsun | 04:48 | 19:12 | 14h 24m | First quarter | First quarter |
| 3 | Nerisday | Highsun | 04:49 | 19:11 | 14h 21m | First quarter | Wax gibbous |
| 4 | Orethsday | Highsun | 04:51 | 19:09 | 14h 18m | First quarter | Wax gibbous |
| 5 | Hearthday | Highsun | 04:52 | 19:08 | 14h 16m | First quarter | Wax gibbous |
| 6 | Firstday | Highsun | 04:53 | 19:07 | 14h 13m | Wax gibbous | Wax gibbous |
| 7 | Avarsday | Highsun | 04:55 | 19:05 | 14h 10m | Wax gibbous | Wax gibbous |
| 8 | Torrensday | Highsun | 04:56 | 19:04 | 14h 08m | Wax gibbous | Wax gibbous |
| 9 | Marketday | Highsun | 04:57 | 19:03 | 14h 05m | Wax gibbous | Wax gibbous |
| 10 | Nerisday | Highsun | 04:59 | 19:01 | 14h 02m | Full | Wax gibbous |
| 11 | Orethsday | Highsun | 05:00 | 19:00 | 13h 59m | Full | Wax gibbous |
| 12 | Hearthday | Highsun | 05:02 | 18:58 | 13h 57m | Full | Wax gibbous |
| 13 | Firstday | Highsun | 05:03 | 18:57 | 13h 54m | Wane gibbous | Wax gibbous |
| 14 | Avarsday | Highsun | 05:05 | 18:55 | 13h 51m | Wane gibbous | Wax gibbous |
| 15 | Torrensday | Highsun | 05:06 | 18:54 | 13h 48m | Wane gibbous | Full |
| 16 | Marketday | Highsun | 05:07 | 18:53 | 13h 45m | Wane gibbous | Full |
| 17 | Nerisday | Highsun | 05:09 | 18:51 | 13h 42m | Last quarter | Full |
| 18 | Orethsday | Highsun | 05:10 | 18:50 | 13h 39m | Last quarter | Full |
| 19 | Hearthday | Highsun | 05:12 | 18:48 | 13h 36m | Last quarter | Full |
| 20 | Firstday | Highsun | 05:13 | 18:47 | 13h 33m | Last quarter | Full |
| 21 | Avarsday | Highsun | 05:15 | 18:45 | 13h 30m | Wane crescent | Full |
| 22 | Torrensday | Highsun | 05:16 | 18:44 | 13h 27m | Wane crescent | Full |
| 23 | Marketday | Highsun | 05:18 | 18:42 | 13h 24m | Wane crescent | Full |
| 24 | Nerisday | Highsun | 05:19 | 18:41 | 13h 21m | New | Full |
| 25 | Orethsday | Highsun | 05:21 | 18:39 | 13h 18m | New | Full |
| 26 | Hearthday | Highsun | 05:22 | 18:38 | 13h 15m | New | Full |
| 27 | Firstday | Highsun | 05:24 | 18:36 | 13h 12m | New | Wane gibbous |
| 28 | Avarsday | Highsun | 05:26 | 18:34 | 13h 09m | Wax crescent | Wane gibbous |
| 29 | Torrensday | Highsun | 05:27 | 18:33 | 13h 06m | Wax crescent | Wane gibbous |
| 30 | Marketday | Highsun | 05:29 | 18:31 | 13h 03m | Wax crescent | Wane gibbous |

* Weekday convention  † Solar estimates  ‡ Illustrative phases

See Reading the almanac and Source & calculation notes.

# Messan

WANING / CINDERCRAG

| Day | Weekday* | Season | Rise† | Set† | Daylight† | Elara‡ | Nyvara‡ |
|---|---|---|---|---|---|---|---|
| 1 | Nerisday | Waning | 05:30 | 18:30 | 13h 00m | Wax crescent | Wane gibbous |
| 2 | Orethsday | Waning | 05:32 | 18:28 | 12h 56m | First quarter | Wane gibbous |
| 3 | Hearthday | Waning | 05:33 | 18:27 | 12h 53m | First quarter | Wane gibbous |
| 4 | Firstday | Waning | 05:35 | 18:25 | 12h 50m | First quarter | Wane gibbous |
| 5 | Avarsday | Waning | 05:37 | 18:23 | 12h 47m | First quarter | Wane gibbous |
| 6 | Torrensday | Waning | 05:38 | 18:22 | 12h 44m | Wax gibbous | Wane gibbous |
| 7 | Marketday | Waning | 05:40 | 18:20 | 12h 41m | Wax gibbous | Wane gibbous |
| 8 | Nerisday | Waning | 05:41 | 18:19 | 12h 37m | Wax gibbous | Last quarter |
| 9 | Orethsday | Waning | 05:43 | 18:17 | 12h 34m | Full | Last quarter |
| 10 | Hearthday | Waning | 05:45 | 18:15 | 12h 31m | Full | Last quarter |
| 11 | Firstday | Waning | 05:46 | 18:14 | 12h 28m | Full | Last quarter |
| 12 | Avarsday | Waning | 05:48 | 18:12 | 12h 25m | Full | Last quarter |
| 13 | Torrensday | Waning | 05:49 | 18:11 | 12h 21m | Wane gibbous | Last quarter |
| 14 | Marketday | Waning | 05:51 | 18:09 | 12h 18m | Wane gibbous | Last quarter |
| 15 | Nerisday | Waning | 05:53 | 18:07 | 12h 15m | Wane gibbous | Last quarter |
| 16 | Orethsday | Waning | 05:54 | 18:06 | 12h 12m | Wane gibbous | Last quarter |
| 17 | Hearthday | Waning | 05:56 | 18:04 | 12h 08m | Last quarter | Last quarter |
| 18 | Firstday | Waning | 05:57 | 18:03 | 12h 05m | Last quarter | Last quarter |
| 19 | Avarsday | Waning | 05:59 | 18:01 | 12h 02m | Last quarter | Last quarter |
| 20 | Torrensday | Waning | 06:01 | 17:59 | 11h 59m | Wane crescent | Wane crescent |
| 21 | Marketday | Waning | 06:02 | 17:58 | 11h 56m | Wane crescent | Wane crescent |
| 22 | Nerisday | Waning | 06:04 | 17:56 | 11h 52m | Wane crescent | Wane crescent |
| 23 | Orethsday | Waning | 06:05 | 17:55 | 11h 49m | Wane crescent | Wane crescent |
| 24 | Hearthday | Waning | 06:07 | 17:53 | 11h 46m | New | Wane crescent |
| 25 | Firstday | Waning | 06:09 | 17:51 | 11h 43m | New | Wane crescent |
| 26 | Avarsday | Waning | 06:10 | 17:50 | 11h 39m | New | Wane crescent |
| 27 | Torrensday | Waning | 06:12 | 17:48 | 11h 36m | New | Wane crescent |
| 28 | Marketday | Waning | 06:13 | 17:47 | 11h 33m | Wax crescent | Wane crescent |
| 29 | Nerisday | Waning | 06:15 | 17:45 | 11h 30m | Wax crescent | Wane crescent |
| 30 | Orethsday | Waning | 06:17 | 17:43 | 11h 27m | Wax crescent | Wane crescent |
| 31 | Hearthday | Waning | 06:18 | 17:42 | 11h 23m | First quarter | New |

**1 Messan:** Waning begins

**22 Messan:** Waning Equinox

* Weekday convention  † Solar estimates  ‡ Illustrative phases

See Reading the almanac and Source & calculation notes.

# Rusken

WANING / CINDERCRAG

| Day | Weekday* | Season | Rise† | Set† | Daylight† | Elara‡ | Nyvara‡ |
|---|---|---|---|---|---|---|---|
| 1 | Firstday | Waning | 06:20 | 17:40 | 11h 20m | First quarter | New |
| 2 | Avarsday | Waning | 06:21 | 17:39 | 11h 17m | First quarter | New |
| 3 | Torrensday | Waning | 06:23 | 17:37 | 11h 14m | First quarter | New |
| 4 | Marketday | Waning | 06:25 | 17:35 | 11h 11m | Wax gibbous | New |
| 5 | Nerisday | Waning | 06:26 | 17:34 | 11h 08m | Wax gibbous | New |
| 6 | Orethsday | Waning | 06:28 | 17:32 | 11h 04m | Wax gibbous | New |
| 7 | Hearthday | Waning | 06:29 | 17:31 | 11h 01m | Wax gibbous | New |
| 8 | Firstday | Waning | 06:31 | 17:29 | 10h 58m | Full | New |
| 9 | Avarsday | Waning | 06:33 | 17:27 | 10h 55m | Full | New |
| 10 | Torrensday | Waning | 06:34 | 17:26 | 10h 52m | Full | New |
| 11 | Marketday | Waning | 06:36 | 17:24 | 10h 49m | Full | New |
| 12 | Nerisday | Waning | 06:37 | 17:23 | 10h 46m | Wane gibbous | Wax crescent |
| 13 | Orethsday | Waning | 06:39 | 17:21 | 10h 43m | Wane gibbous | Wax crescent |
| 14 | Hearthday | Waning | 06:40 | 17:20 | 10h 39m | Wane gibbous | Wax crescent |
| 15 | Firstday | Waning | 06:42 | 17:18 | 10h 36m | Last quarter | Wax crescent |
| 16 | Avarsday | Waning | 06:43 | 17:17 | 10h 33m | Last quarter | Wax crescent |
| 17 | Torrensday | Waning | 06:45 | 17:15 | 10h 30m | Last quarter | Wax crescent |
| 18 | Marketday | Waning | 06:46 | 17:14 | 10h 27m | Last quarter | Wax crescent |
| 19 | Nerisday | Waning | 06:48 | 17:12 | 10h 24m | Wane crescent | Wax crescent |
| 20 | Orethsday | Waning | 06:49 | 17:11 | 10h 21m | Wane crescent | Wax crescent |
| 21 | Hearthday | Waning | 06:51 | 17:09 | 10h 18m | Wane crescent | Wax crescent |
| 22 | Firstday | Waning | 06:52 | 17:08 | 10h 16m | Wane crescent | Wax crescent |
| 23 | Avarsday | Waning | 06:54 | 17:06 | 10h 13m | New | First quarter |
| 24 | Torrensday | Waning | 06:55 | 17:05 | 10h 10m | New | First quarter |
| 25 | Marketday | Waning | 06:57 | 17:03 | 10h 07m | New | First quarter |
| 26 | Nerisday | Waning | 06:58 | 17:02 | 10h 04m | Wax crescent | First quarter |
| 27 | Orethsday | Waning | 06:59 | 17:01 | 10h 01m | Wax crescent | First quarter |
| 28 | Hearthday | Waning | 07:01 | 16:59 | 9h 58m | Wax crescent | First quarter |
| 29 | Firstday | Waning | 07:02 | 16:58 | 9h 56m | Wax crescent | First quarter |
| 30 | Avarsday | Waning | 07:04 | 16:56 | 9h 53m | First quarter | First quarter |
| 31 | Torrensday | Waning | 07:05 | 16:55 | 9h 50m | First quarter | First quarter |

* Weekday convention  † Solar estimates  ‡ Illustrative phases

See Reading the almanac and Source & calculation notes.

# Brumel

WANING / CINDERCRAG

| Day | Weekday* | Season | Rise† | Set† | Daylight† | Elara‡ | Nyvara‡ |
|---|---|---|---|---|---|---|---|
| 1 | Marketday | Waning | 07:06 | 16:54 | 9h 47m | First quarter | First quarter |
| 2 | Nerisday | Waning | 07:08 | 16:52 | 9h 45m | First quarter | First quarter |
| 3 | Orethsday | Waning | 07:09 | 16:51 | 9h 42m | Wax gibbous | First quarter |
| 4 | Hearthday | Waning | 07:10 | 16:50 | 9h 40m | Wax gibbous | Wax gibbous |
| 5 | Firstday | Waning | 07:11 | 16:49 | 9h 37m | Wax gibbous | Wax gibbous |
| 6 | Avarsday | Waning | 07:13 | 16:47 | 9h 35m | Full | Wax gibbous |
| 7 | Torrensday | Waning | 07:14 | 16:46 | 9h 32m | Full | Wax gibbous |
| 8 | Marketday | Waning | 07:15 | 16:45 | 9h 30m | Full | Wax gibbous |
| 9 | Nerisday | Waning | 07:16 | 16:44 | 9h 27m | Full | Wax gibbous |
| 10 | Orethsday | Waning | 07:18 | 16:42 | 9h 25m | Wane gibbous | Wax gibbous |
| 11 | Hearthday | Waning | 07:19 | 16:41 | 9h 22m | Wane gibbous | Wax gibbous |
| 12 | Firstday | Waning | 07:20 | 16:40 | 9h 20m | Wane gibbous | Wax gibbous |
| 13 | Avarsday | Waning | 07:21 | 16:39 | 9h 18m | Wane gibbous | Wax gibbous |
| 14 | Torrensday | Waning | 07:22 | 16:38 | 9h 16m | Last quarter | Wax gibbous |
| 15 | Marketday | Waning | 07:23 | 16:37 | 9h 14m | Last quarter | Full |
| 16 | Nerisday | Waning | 07:24 | 16:36 | 9h 11m | Last quarter | Full |
| 17 | Orethsday | Waning | 07:25 | 16:35 | 9h 09m | Last quarter | Full |
| 18 | Hearthday | Waning | 07:26 | 16:34 | 9h 07m | Wane crescent | Full |
| 19 | Firstday | Waning | 07:27 | 16:33 | 9h 05m | Wane crescent | Full |
| 20 | Avarsday | Waning | 07:28 | 16:32 | 9h 03m | Wane crescent | Full |
| 21 | Torrensday | Waning | 07:29 | 16:31 | 9h 02m | New | Full |
| 22 | Marketday | Waning | 07:30 | 16:30 | 9h 00m | New | Full |
| 23 | Nerisday | Waning | 07:31 | 16:29 | 8h 58m | New | Full |
| 24 | Orethsday | Waning | 07:32 | 16:28 | 8h 56m | New | Full |
| 25 | Hearthday | Waning | 07:33 | 16:27 | 8h 55m | Wax crescent | Full |
| 26 | Firstday | Waning | 07:33 | 16:27 | 8h 53m | Wax crescent | Full |
| 27 | Avarsday | Waning | 07:34 | 16:26 | 8h 51m | Wax crescent | Wane gibbous |
| 28 | Torrensday | Waning | 07:35 | 16:25 | 8h 50m | Wax crescent | Wane gibbous |
| 29 | Marketday | Waning | 07:36 | 16:24 | 8h 49m | First quarter | Wane gibbous |
| 30 | Nerisday | Waning | 07:36 | 16:24 | 8h 47m | First quarter | Wane gibbous |

* Weekday convention † Solar estimates ‡ Illustrative phases

See Reading the almanac and Source & calculation notes.

# Noctren

DEEPCOLD / CINDERCRAG

| Day | Weekday* | Season | Rise† | Set† | Daylight† | Elara‡ | Nyvara‡ |
|---|---|---|---|---|---|---|---|
| 1 | Orethsday | Deepcold | 07:37 | 16:23 | 8h 46m | First quarter | Wane gibbous |
| 2 | Hearthday | Deepcold | 07:38 | 16:22 | 8h 45m | Wax gibbous | Wane gibbous |
| 3 | Firstday | Deepcold | 07:38 | 16:22 | 8h 44m | Wax gibbous | Wane gibbous |
| 4 | Avarsday | Deepcold | 07:39 | 16:21 | 8h 42m | Wax gibbous | Wane gibbous |
| 5 | Torrensday | Deepcold | 07:39 | 16:21 | 8h 41m | Wax gibbous | Wane gibbous |
| 6 | Marketday | Deepcold | 07:40 | 16:20 | 8h 40m | Full | Wane gibbous |
| 7 | Nerisday | Deepcold | 07:40 | 16:20 | 8h 40m | Full | Wane gibbous |
| 8 | Orethsday | Deepcold | 07:41 | 16:19 | 8h 39m | Full | Wane gibbous |
| 9 | Hearthday | Deepcold | 07:41 | 16:19 | 8h 38m | Full | Last quarter |
| 10 | Firstday | Deepcold | 07:41 | 16:19 | 8h 37m | Wane gibbous | Last quarter |
| 11 | Avarsday | Deepcold | 07:42 | 16:18 | 8h 37m | Wane gibbous | Last quarter |
| 12 | Torrensday | Deepcold | 07:42 | 16:18 | 8h 36m | Wane gibbous | Last quarter |
| 13 | Marketday | Deepcold | 07:42 | 16:18 | 8h 36m | Last quarter | Last quarter |
| 14 | Nerisday | Deepcold | 07:42 | 16:18 | 8h 35m | Last quarter | Last quarter |
| 15 | Orethsday | Deepcold | 07:42 | 16:18 | 8h 35m | Last quarter | Last quarter |
| 16 | Hearthday | Deepcold | 07:43 | 16:17 | 8h 35m | Last quarter | Last quarter |
| 17 | Firstday | Deepcold | 07:43 | 16:17 | 8h 35m | Wane crescent | Last quarter |
| 18 | Avarsday | Deepcold | 07:43 | 16:17 | 8h 34m | Wane crescent | Last quarter |
| 19 | Torrensday | Deepcold | 07:43 | 16:17 | 8h 34m | Wane crescent | Last quarter |
| 20 | Marketday | Deepcold | 07:43 | 16:17 | 8h 34m | Wane crescent | Wane crescent |
| 21 | Nerisday | Deepcold | 07:43 | 16:17 | 8h 35m | New | Wane crescent |
| 22 | Orethsday | Deepcold | 07:43 | 16:17 | 8h 35m | New | Wane crescent |
| 23 | Hearthday | Deepcold | 07:42 | 16:18 | 8h 35m | New | Wane crescent |
| 24 | Firstday | Deepcold | 07:42 | 16:18 | 8h 35m | New | Wane crescent |
| 25 | Avarsday | Deepcold | 07:42 | 16:18 | 8h 36m | Wax crescent | Wane crescent |
| 26 | Torrensday | Deepcold | 07:42 | 16:18 | 8h 36m | Wax crescent | Wane crescent |
| 27 | Marketday | Deepcold | 07:42 | 16:18 | 8h 37m | Wax crescent | Wane crescent |
| 28 | Nerisday | Deepcold | 07:41 | 16:19 | 8h 37m | First quarter | Wane crescent |
| 29 | Orethsday | Deepcold | 07:41 | 16:19 | 8h 38m | First quarter | Wane crescent |
| 30 | Hearthday | Deepcold | 07:41 | 16:19 | 8h 39m | First quarter | Wane crescent |
| 31 | Firstday | Deepcold | 07:40 | 16:20 | 8h 40m | First quarter | Wane crescent |

**1 Noctren:** Deepcold begins

**21 Noctren:** Deepcold Solstice

* Weekday convention  † Solar estimates  ‡ Illustrative phases

See Reading the almanac and Source & calculation notes.

# Source & calculation notes

**Source settings.** Calendar: haeloria.json, named “Haeloria” in the export. Public title: Haeloran Almanac. Month lengths and names are retained verbatim. Lunar periods are 29.6 and 92.5 days, each with shift=0; source display granularities are 24 and 40. This edition uses the workbook’s simpler phase labels instead of reproducing the source display engine.

**Reference calculations.** Daily solar and lunar values are retained from Haeloran_Writers_Almanac_684AE.xlsx, columns E-I of “684 AE Daily Almanac”. Its notes specify latitude 45° N, axial tilt 23.44°, a 24-hour day and solar noon at 12:00. Atmospheric refraction, elevation, horizon obstruction, equation of time and time-zone effects are omitted. Values are estimates, not observations.

**Rounding.** Sunrise, sunset and daylight were rounded independently in the reference. Subtracting the displayed clock times can differ from the displayed duration by one minute. This edition preserves those values.

**Season settings versus calendar seasons.** The JSON also contains a periodic season system with lengths of 110, 112, 112 and 111 days (445 days total), plus season_offset=-12. Those settings do not form a 365-day seasonal cycle. This edition uses the explicitly dated season-start events for daily season labels; it does not reproduce periodic seasonal interpolation.

**Original Cindercrag clock presets.** Deepcold: 07:30-16:30; Greening: 05:00-19:00; Highsun: 04:45-19:15; Waning: 06:45-17:15. These are source seasonal settings, not the daily solar values printed in the tables.

**Calendar observances and the solar model.** The source marks 20 Helmir, 21 Solenne, 22 Messan and 21 Noctren as the two equinoxes and two solstices. The companion model is approximate and does not align perfectly with every marker: on 22 Messan it gives 11h 52m of daylight. The marked dates are preserved without asserting exact astronomical equality or extrema.

**Lunar epoch and weekday limits.** A zero lunar shift does not establish that both moons were new on the first day of 684 AE. That epoch is an explicit illustration convention inherited from the workbook. Likewise, its Firstday start is not a verified reconstruction of the calendar application’s accumulated weekday count. Neither assumption should be read as newly established world canon.