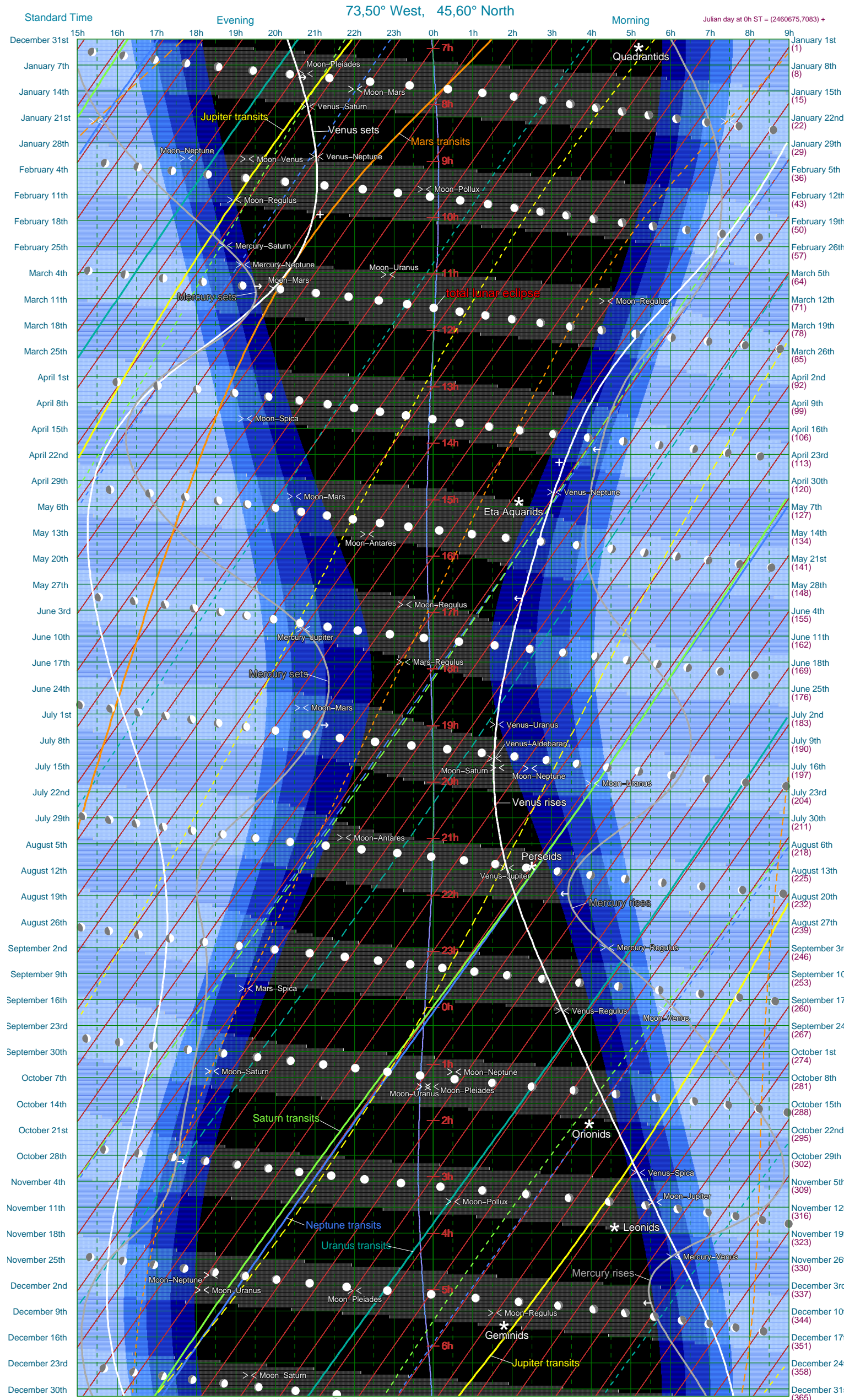


Graphic Almanac 2025

Main Phenomena Standard Time

January 4th : The Earth at its perihelion (D = 0.983 AU)
 January 6th, 18:56 : FIRST QUARTER OF THE MOON
 January 7th, 18:34 : Moon at perigee (D = 370171 km)
 January 9th, 20:47 : the Moon is 0.0° from the Pleiades
 January 10th : Greatest eastern elong. of Venus (47,2°)
 January 13th, 17:27 : FULL MOON
 January 13th, 22:02 : the Moon is 0,1° from Mars
 January 15th, 21:38 : OPPOSITION OF Mars with the Sun
 January 18th, 17:46 : Venus is 2,2° from Saturn
 January 20th, 23:55 : Moon at apogee (D = 404298 km)
 January 21st, 15:31 : LAST QUARTER OF THE MOON
 January 22nd, 17:59 : Mars is 2,4° from Pollux
 January 22nd, 17:59 : Mars is 2,4° from Pollux
 January 29th, 07:36 : NEW MOON
 February 1st, 05:46 : Venus is 3,3° from Neptune
 February 1st, 17:46 : the Moon is 0,8° from Neptune
 February 1st, 19:18 : the Moon is 2,4° from Venus
 February 1st, 21:43 : Moon at perigee (D = 367457 km)
 February 5th, 03:02 : FIRST QUARTER OF THE MOON
 February 9th, 23:47 : the Moon is 2,4° from Pollux
 February 12th, 08:53 : FULL MOON
 February 12th, 18:58 : the Moon is 1,6° from Regulus
 February 16th : VENUS at maximum brightness
 February 17th, 20:11 : Moon at apogee (D = 404882 km)
 February 20th, 12:33 : LAST QUARTER OF THE MOON
 February 25th, 05:46 : Mercury is 1,4° from Saturn
 February 27th, 19:45 : NEW MOON
 March 1st, 16:18 : Moon at perigee (D = 361964 km)
 March 2nd, 07:04 : Mercury is 1,8° from Neptune
 March 4th, 22:52 : the Moon is 4,2° from Uranus
 March 6th, 11:31 : FIRST QUARTER OF THE MOON
 March 7th : Greatest eastern elong. of Mercury (18,2°)
 March 8th, 20:02 : the Moon is 1,4° from Mars
 March 12th, 04:22 : the Moon is 1,1° from Regulus
 March 14th, 01:55 : FULL MOON
 March 14th, 01:59 : Total lunar eclipse (100% vis.)
 March 17th, 11:37 : Moon at apogee (D = 405754 km)
 March 20th, 04:01 : SPRING EQUINOX
 March 22nd, 06:30 : LAST QUARTER OF THE MOON
 March 29th, 05:58 : NEW MOON
 March 30th, 00:26 : Moon at perigee (D = 358128 km)
 April 4th, 21:14 : FIRST QUARTER OF THE MOON
 April 12th, 19:15 : the Moon is 0,7° from Spica
 April 12th, 19:22 : FULL MOON
 April 13th, 17:48 : Moon at apogee (D = 406295 km)
 April 16th : Mars at its aphelion (D = 1,666 AU)
 April 20th, 20:36 : LAST QUARTER OF THE MOON
 April 21st : Greatest western elong. of Mercury (27,3°)
 April 25th : VENUS at maximum brightness
 April 27th, 11:15 : Moon at perigee (D = 357119 km)
 April 27th, 14:31 : NEW MOON
 May 2nd, 17:59 : Venus is 2,1° from Neptune
 May 3rd, 20:29 : the Moon is 1,4° from Mars
 May 4th, 08:52 : FIRST QUARTER OF THE MOON
 May 10th, 19:49 : Moon at apogee (D = 406244 km)
 May 12th, 11:56 : FULL MOON
 May 13th, 22:20 : the Moon is 1,0° from Antares
 May 20th, 06:59 : LAST QUARTER OF THE MOON
 May 25th, 20:37 : Moon at perigee (D = 359022 km)
 May 26th, 22:02 : NEW MOON
 May 31st : Greatest western elong. of Venus (45,8°)
 June 1st, 23:16 : the Moon is 0,7° from Regulus
 June 2nd, 22:41 : FIRST QUARTER OF THE MOON
 June 7th, 05:42 : Moon at apogee (D = 405553 km)
 June 8th, 14:09 : Mercury is 2,0° from Jupiter
 June 11th, 02:44 : FULL MOON
 June 17th, 11:59 : Mars is 0,7° from Regulus
 June 18th, 14:19 : LAST QUARTER OF THE MOON
 June 20th, 21:42 : SUMMER SOLSTICE
 June 22nd, 23:43 : Moon at perigee (D = 363178 km)
 June 25th, 05:31 : NEW MOON
 June 29th, 20:40 : the Moon is 0,7° from Mars
 July 2nd, 14:30 : FIRST QUARTER OF THE MOON
 July 3rd : The Earth at its aphelion (D = 1,017 AU)
 July 4th : Greatest eastern elong. of Mercury (25,9°)
 July 4th, 08:57 : Venus is 2,4° from Uranus
 July 4th, 21:29 : Moon at apogee (D = 404627 km)
 July 10th, 15:37 : FULL MOON
 July 13th, 11:46 : Venus is 3,2° from Aldebaran
 July 16th, 01:38 : the Moon is 2,6° from Saturn
 July 16th, 02:27 : the Moon is 1,7° from Neptune
 July 17th, 19:38 : LAST QUARTER OF THE MOON
 July 20th, 04:02 : the Moon is 4,5° from Uranus
 July 20th, 08:52 : Moon at perigee (D = 368041 km)
 July 24th, 14:11 : NEW MOON
 July 25th, 01:30 : OPPOSITION of Pluto with the Sun
 August 1st, 07:41 : FIRST QUARTER OF THE MOON
 August 1st, 15:37 : Moon at apogee (D = 404161 km)
 August 3rd, 21:45 : the Moon is 1,4° from Antares
 August 9th, 02:55 : FULL MOON
 August 12th, 01:41 : Venus is 0,9° from Jupiter
 August 14th, 13:01 : Moon at perigee (D = 369288 km)
 August 16th, 00:12 : LAST QUARTER OF THE MOON
 August 19th : Greatest western elong. of Mercury (18,6°)
 August 23rd, 01:06 : NEW MOON
 August 29th, 10:34 : Moon at apogee (D = 404548 km)
 August 31st, 01:25 : FIRST QUARTER OF THE MOON
 September 2nd, 10:10 : Mercury is 1,2° from Regulus
 September 7th, 13:09 : FULL MOON
 September 10th, 07:09 : Moon at perigee (D = 364777 km)
 September 13th, 11:39 : Mars is 2,2° from Spica
 September 14th, 05:33 : LAST QUARTER OF THE MOON
 September 19th, 05:53 : the Moon is 0,5° from Venus
 September 19th, 10:59 : Venus is 0,5° from Regulus
 September 21st, 00:45 : OPPOSITION OF Saturn with the Sun
 September 21st, 14:54 : NEW MOON
 September 22nd, 13:19 : AUTUMN EQUINOX
 September 23rd, 07:54 : OPPOSITION OF Neptune with the Sun
 September 26th, 04:46 : Moon at apogee (D = 405548 km)
 September 29th, 18:54 : FIRST QUARTER OF THE MOON
 October 5th, 18:25 : the Moon is 2,4° from Saturn
 October 6th, 00:32 : the Moon is 2,0° from Neptune
 October 6th, 22:47 : FULL MOON
 October 8th, 07:36 : Moon at perigee (D = 359819 km)
 October 9th, 23:46 : the Moon is 4,7° from Uranus
 October 9th, 23:58 : the Moon is 0,4° from the Pleiades
 October 13th, 13:12 : LAST QUARTER OF THE MOON
 October 21st, 07:25 : NEW MOON
 October 23rd, 18:31 : Moon at apogee (D = 406444 km)
 October 29th, 11:21 : FIRST QUARTER OF THE MOON
 October 29th : Greatest eastern elong. of Mercury (23,7°)
 November 2nd, 03:03 : Venus is 3,5° from Spica
 November 5th, 08:19 : FULL MOON
 November 5th, 17:29 : Moon at perigee (D = 356833 km)
 November 10th, 00:30 : the Moon is 3,0° from Pollux
 November 10th, 05:37 : the Moon is 3,5° from Jupiter
 November 12th, 00:28 : LAST QUARTER OF THE MOON
 November 19th, 21:48 : Moon at apogee (D = 406691 km)
 November 20th, 01:47 : NEW MOON
 November 21st, 07:24 : OPPOSITION OF Uranus with the Sun
 November 24th, 19:33 : Mercury is 1,0° from Venus
 November 28th, 01:59 : FIRST QUARTER OF THE MOON
 November 29th, 18:23 : the Moon is 2,0° from Neptune
 December 3rd, 18:10 : the Moon is 4,4° from Uranus
 December 3rd, 22:01 : the Moon is 0,4° from the Pleiades
 December 4th, 06:06 : Moon at perigee (D = 356963 km)
 December 4th, 18:14 : FULL MOON
 December 7th : Greatest western elong. of Mercury (20,6°)
 December 10th, 01:34 : the Moon is 0,4° from Regulus
 December 11th, 15:51 : LAST QUARTER OF THE MOON
 December 17th, 01:09 : Moon at apogee (D = 406322 km)
 December 19th, 20:43 : NEW MOON
 December 21st, 10:03 : WINTER SOLSTICE
 December 26th, 19:22 : the Moon is 3,2° from Saturn
 December 27th, 14:10 : FIRST QUARTER OF THE MOON
 January 1st, 16:43 : Moon at perigee (D = 360348 km)



Legend

Setting or rising of the Sun
 End of civil twilight (Sun 6° below the horizon)
 End of nautical twilight (Sun 12° below the horizon)
 End of astronomical twilight (Sun 18° below the horizon)

The inclined red lines give the local sidereal time.
 This corresponds to the right ascension of the celestial bodies that transit the celestial meridian at that time.
 For example, the 6h line indicates when Betelgeuse transits the meridian, since its right ascension is about 6h.

The vertical blue line indicates the true middle of the night.
 This is the sum of the equation of time and the correction in longitude if the site is not at the center of the time zone.
 Add 12 hours to get the time when the Sun transits the meridian.

Setting or rising of Mercury
 Setting or rising of Venus
 Meridian transit of Saturn *
 Rising of Saturn *
 Setting of Saturn *
 * (or another planet depending on the color of the line)

Moonsset
 Phase and meridian transit of the Moon
 Moonrise

> < - Conjunction or close grouping of celestial bodies

→ - Greatest elongation of Venus or Mercury
 + - Maximum brightness of Venus

* - Meteor shower

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