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# Khaldea *Ephemeris* 7<sub>z</sub> 2009

Midnight GMT (UT) Edition

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*Created & Developed by*  
**Michael R. Meyer**

[khaldea.com](http://khaldea.com)

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**KhaldeaEphemeris** Version 7 computes planetary positions in full agreement with the Astronomical Almanac, using JPL DE405/406 fundamental data. Reduction to apparent positions is performed in strict accordance with the Astronomical Almanac and its Explanatory Supplement. Fundamental accuracy is greater than +/- 0.0001 arcsecond for the Sun, Moon and solar system planets over a span of 6,000 years.

**KhaldeaEphemeris7** technology was first deployed in 2003 for the production of the **Khaldea 2004 Astrological Calendar**, which incorporated the most accurately timed astro-data ever computed. For the **2004 Khaldea Calendar** project, meticulous attention was given to obtaining the highest possible accuracy for astrological aspects and other timed data. It takes more than the world's most accurate ephemeris to generate an aspectarian of the greatest accuracy. The goal was to establish a new standard, not to settle with just getting the data to agree with printed authorities. Data was strenuously tested and validated, and in doing so the weaknesses of printed authorities were revealed. As a result, our *timed* data has a general accuracy of +/- 2 seconds!

**KhaldeaEphemeris7z** is an electronic, PDF version of the most accurate and precise astrological ephemeris ever developed – it presents ultra-accurate timed data in a high-precision format of hour, minute and second. Additionally, degree, minute and *arcsecond* precision is shown throughout.

Ironically, the drive to establish a new standard for accuracy and precision was not fueled by a need for precision in astrological timing. We do not advocate the use astrological data for the *precise* timing of life-events, and we do not promote astrological prediction. The intent was to merely develop *a new standard for the presentation of core astrological data*.

In setting the 21<sup>st</sup> century standard, **KhaldeaEphemeris7z** features a greatly expanded set of data and graphics. Its **Astro-Data** uniquely includes timed data pertaining to the cycles of Mercury and Venus. The **extended Aspectarian** includes not only an extended range of aspects, parallels and other data, it shows the planets' position at the moment of any aspect or data event — with degree, minute and *arcsecond* precision! **KhaldeaEphemeris7z** goes far beyond any other ephemeris in featuring a large set of ephemeris graphics – 14 types total. Tabular data and graphics are provided for five harmonics (10<sup>th</sup>/36°, 9<sup>th</sup>/40°, 8<sup>th</sup>/45°, 7<sup>th</sup>/51.42°, and 5<sup>th</sup>/72°) and five coordinates (geocentric longitude, geocentric latitude, declination, speed of daily motion, and heliocentric distance), as well as annual graphics for geocentric longitude, geocentric latitude, declination and speed. See the sections for how to use the ephemeris for more details.

This is the UT (Universal Time) edition of **KhaldeaEphemeris7z**. Time Zone specific editions of the Aspectarian and Astro-Data include adjustments for Daylight Saving Time (DST) when and where applicable, in such instances a note is appended at the foot of the page, stating the start and end of DST.

### **Distribution is Strictly Prohibited**

**KhaldeaEphemeris7** is an electronic ephemeris in printable Adobe PDF format. You may print hard copies for your *personal use only*. Distribution of **KhaldeaEphemeris7z** prints, screen images, data, fonts or other output, either for sale or freely given, is strictly prohibited, constituting a violation of U.S. and International Copyright.

Publishers interested in licensing data and custom graphics generated by **Khaldea7z** may contact Michael R. Meyer, the sole creator and developer of **KhaldeaTechnology**, via [permissions@khaldea.com](mailto:permissions@khaldea.com)

**KhaldeaEphemeris7z** is available exclusively from [www.khaldea.com](http://www.khaldea.com)  
Visit [www.khaldea.com/ephemeris](http://www.khaldea.com/ephemeris) for sales and support.

**KhaldeaEphemeris7** is the current version of technology in development since 1985. It is an integral component of a larger application known as **Khaldea7z**, a proprietary software application which generates and graphically displays high-precision data. It is currently in its seventh version. Regardless of name or version, it has always been a highly interactive graphic application, it has always displayed round chart wheels with very legible glyphs and symbols. A DOS version never existed. It has never used a single line of Basic of any flavor. It displayed and printed round charts wheels, it had real glyphs and symbols, it was written in the C language, it was in Windows version 1.0, way back in the mid-1980s when other astro apps could only display and print square charts lacking glyphs and symbols.

In short, **KhaldeaTechnology** – known as *AstroSpheres* prior to 1994 – produced the first desktop application to display a true astrological chart wheel in a **MS Windows** GUI, as well as the first full astrological application with its front-end and back-end programmed entirely in the C language. During 1994-1996, *AstroSpheres* underwent a major upgrade and was designated **Khaldea2001**. The designation “Khaldea” was chosen because at that time city names were often used to secretly designate software and operating systems under development. “Chicago,” “Cairo” and “Memphis” were code names of MS Windows versions being developed in the mid-1990s, and Borland’s next-generation development tool was known as “Delphi”. “Khaldea” seemed the obvious choice, and “2001” never referred a released date, but it was added because it sounded futuristic – like the film, *Space Odyssey 2001*. The software was upgraded during 2001, however, and its designation changed from **Khaldea2001** to **Khaldea2001+**. The backend software was again substantially upgraded during 2003 to achieve unsurpassed accuracy and to generate the most accurate and precise timed data ever published. The application’s front-end next underwent a major upgrade during 2004, resulting in the seventh version: **Khaldea7z**.

Since year 2000, *KhaldeaTechnology* has been deployed in the production of our free, online astro-charts, calendars for multiple time zones, and our famous 3000 year ephemeris. This is the first commercial release of the **KhaldeaEphemeris**.

**The Planets**

- ☉ Sun
- ☾ Moon
- ☿ Mercury
- ♀ Venus
- ♂ Mars
- ♃ Jupiter
- ♄ Saturn
- ♅ Uranus
- ♆ Neptune
- ♇ Pluto

**Phenomena**

**Geocentric Velocity**

- R Retrograde
- D Direct
- S Stationary

**Heliocentric Distance**

- P Perihelion
- A Aphelion

**Visual Magnitude**

- ♁ Max. Brightness

**Latitude & Declination**

- D<sub>N</sub> 0 N. Declination
- D<sub>S</sub> 0 S. Declination
- L<sub>N</sub> 0 N. Latitude
- L<sub>S</sub> 0 S. Latitude
- D<sup>Δ</sup> Max. N. Declination
- D<sup>v</sup> Max. S. Declination
- L<sup>Δ</sup> Max. N. Latitude
- L<sup>v</sup> Max. S. Latitude

**Mercury and Venus**

- ☿ Max. Eastern Elongation
- ♀ Max. Western Elongation

**The Signs**

- ♈ Aries
- ♉ Taurus
- ♊ Gemini
- ♋ Cancer
- ♌ Leo
- ♍ Virgo
- ♎ Libra
- ♏ Scorpio
- ♐ Sagittarius
- ♑ Capricorn
- ♒ Aquarius
- ♓ Pisces

**Lunar Phenomena**

**Lunar Phases**

- New Moon
- ◐ Crescent Moon
- ◑ First Quarter
- ◒ Gibbous Moon
- ◯ Full Moon
- ◑ Disseminating
- ◒ Third Quarter
- Balsamic Moon

**Eclipses**

- Solar Eclipse
- Lunar Eclipse

**Geocentric Distance**

- p/P Lunar Perigee
- a/A Lunar Apogee

**Orbital Elements**

- ♁ N. Lunar Node

**Aspects**

**Waxing Aspects**

- ♌ Conjunction (0°)
- ♍ Semi-Sextile (30°)
- ♎ Decile (36°)
- ♏ Novile (40°)
- ♐ Octile (45°)
- ♑ Septile (51°25')
- ♒ Sextile (60°)
- ♓ Quintile (72°)
- ♈ Bi-Novile (80°)
- ♉ Square (90°)
- ♊ Bi-Septile (101°52')
- ♋ Tri-Decile (108°)
- ♌ Trine (120°)
- ♍ Tri-Octile (135°)
- ♎ Bi-Quintile (144°)
- ♏ Quincunx (150°)
- ♐ Tri-Septile (154°18')
- ♑ Quad-Novile (160°)

**Waning Aspects**

- ♒ Opposition (180°)
- ♓ Quad-Novile (220°)
- ♈ Tri-Septile (206°44')
- ♉ Quincunx (210°)
- ♊ Bi-Quintile (216°)
- ♋ Tri-Octile (225°)
- ♌ Trine (240°)
- ♍ Tri-Decile (252°)
- ♎ Bi-Septile (257°10')
- ♏ Square (270°)
- ♐ Bi-Novile (280°)
- ♑ Quintile (288°)
- ♒ Sextile (300°)
- ♓ Septile (308°36')
- ♈ Octile (315°)
- ♉ Quad-Novile (320°)
- ♊ Decile (324°)
- ♋ Semi-Sextile (330°)

**Aspects in Declination**

- || Parallel
- ⊥ Counter-Parallel

This is a Midnight Greenwich Mean Time (and Universal Time) edition of the **KhaldeaEphemeris7z**, an electronic ephemeris in fully bookmarked PDF format. It is the most accurate and precise ephemeris ever published, and its extended data and graphics easily makes it the largest, with each year of the **KhaldeaEphemeris7z** spanning 180 pages. Each month of the ephemeris package includes:

- A traditional one-page daily listing of geocentric longitude, latitude and declination of each of the ten astrological planets, and the longitude of the north lunar node. Sidereal Time is not listed because anyone who would use an electronic ephemeris would have access to electronic astro-chart tools, which are available free on the Internet.
- A one-page listing of astro-data, common aspects and parallels in a conventional format. Time Zone editions of the **KhaldeaEphemeris7z** will list times for your time zone, and for Daylight Savings Time when and where observed.
- An three-page listing of extended astro-data, parallels and an extended range of aspects. Additionally, listings include the planets' position at the moment of the aspect or phenomenon. Time Zone editions of the **KhaldeaEphemeris7z** will list times for your time zone, and for Daylight Savings Time when and where observed.
- Ten additional pages of tabular listings and ephemeris graphics for the planets' daily positions according to five coordinate systems and five harmonics. The five coordinate systems are: geocentric longitude, latitude, declination, speed of daily motion, and heliocentric distance. The five harmonics are: 10th Harmonic (36°), 9th Harmonic (40°), 8th Harmonic (45°), 7th Harmonic (51.42°), and 5th Harmonic (72°).

### Getting Acquainted with KhaldeaEphemeris7z

Anyone who has used a traditional ephemeris will feel immediately familiar with the tabular listings, and novices can quick start by referring to the **Key to Symbols**. **KhaldeaEphemeris7z**, nevertheless, includes a multiplicity of special and unique features, which are outlined below.

### Page Heading

Your will find our branding at the top-left of each page of **KhaldeaEphemeris7z**. The month and year of the ephemeris is given at the top-right, and below it the Obliquity of the Ecliptic and DeltaT value for the first day of the month. This a Universal Time edition of **KhaldeaEphemeris7z**, which factors DeltaT.

### Tabular Listings

**KhaldeaEphemeris7z** includes several tabular listings, enumerated above. The color red is used to designate retrograde motion of geocentric longitude (zodiacal position) and southern declination or latitude. Learn about the astrological planets, read **The Planets - Celestial Organs and Their Functions**. Visit [www.khaldea.com](http://www.khaldea.com) for free astrological books and articles.

**Astro-Data**

**KhaldeaEphemeris7z** provides an abundance of astrological aspects and phenomena, some of them unique to the *KhaldeaEphemeris*.

Both versions include the same **Highlights** section near the top of the first astro-data page.

KHALDEA <i>Ephemeris7z</i>		JANUARY 2010	
JPL 405 Unsurpassed Accuracy		Obliquity: 23°26'20" DeltaT: 66.9473 sec.	
<b>Highlights</b>	<b>Lunations</b>	<b>Lunar Ingresses</b>	<b>Perigees &amp; Apogees</b>
	4 ☉ 0:29 28♌31.7'	2 2:41 ♏ 18 6:17 ♋	p 1 20:33 a 17 1:40
	7 ☉ 10:39 17♌01.0'	4 2:52 ♏ 20 18:36 ♏	p 30 9:05
	11 ☉ 5:29 5♌52.5'	6 4:58 ♏ 23 4:39 ♏	LunarDecl Max/0
	15 ☉ 7:11 25♌01.4'	8 10:00 ♏ 25 11:11 ♏	LunarLat Max/0
	19 ☉ 11:09 14♌15.9'	10 18:10 ♏ 27 14:01 ♏	5 11:09 OS 1 12:29 OS
	23 ☉ 10:53 3♌19.5'	13 4:54 ♏ 29 14:10 ♏	12 8:32 25S48 7 17:58 5S18
	27 ☉ 0:44 21♌57.7'	15 17:17 ♏ 31 13:23 ♏	19 21:42 ON 14 23:18 ON
	30 ☉ 6:18 10♌14.6'		26 21:01 25N47 22 11:36 5N17
			29 0:03 OS
		<b>Phenomena</b>	
		13 15:56 ♏ SRx	
		18 2:10 ♏ ♋	
		20 4:28 ♏ ♋	
		<b>Mercury Cycle</b>	
		4 19:06 ♂i	
		10 10:26 ♌A	
		15 16:32 SD	
		27 8:53 ☾	
		31 19:03 Dv	
		<b>Venus Cycle</b>	
		11 21:06 ♂s	
		18 14:35 ♏	
		24 12:20 A	

- 1 The dates, times and zodiacal positions (geocentric longitudes) of lunations are shown at the extreme left. Eclipses are designated by a gray lunar icon. Learn about the **Lunation Cycle** and **Lunation Planning** at [www.khaldea.com](http://www.khaldea.com)
- 2 Next, moving from left to right, the times of lunar ingresses (when the moon changes signs) are listed, followed by 3 perigees and apogees (when the moon is closest and furthest from earth), and the dates, times and positions of maximum lunar latitude and declination, north and south, and of zero latitude and declination. Like all timed data listed in the *KhaldeaEphemeris7z*, lunar data is of the highest accuracy and precision.
- 4 General phenomena are displayed to the right of lunar data, which includes the ingresses and stations of the astrological planets.
- 5 Finally, data regarding the cycles of Mercury and of Venus are listed in the two columns at the extreme right. Read **The Four Faces of Mercury** and **Venus Morning Star, Venus Evening Star** to learn about the cycles of Mercury and Venus.

All data listed under **Highlights** is also listed in the **Daily Aspectarian** section.

The Daily Aspectarian makes up the main area of the Astro-Data pages. Both the conventional and extended versions of the Astro-Data pages display data not found anywhere else; if some of the glyphs are unfamiliar to you, take a look at the **Key to Symbols**. Additionally, the *KhaldeaEphemeris* is the only astrological reference to distinguish waxing and waning aspects, displaying waning aspects in blue. To learn more about planetary aspects and the cycle of aspects, see **The Eon: The Cycle of 36 Cyclic Aspects Depicted**.

Here's a couple examples of how to read the *KhaldeaAspectarian*.

Extended Version			
17 January Sunday			
15♏40'41"	☾♏♌	1:09:24	5♌40'41"
0.0027	☾♌♏	1:40:21	15♏55'54"
20N33'28"	♏♏♏	1:50:03	20S33'28"
13S32'56"	☾♏♏	3:44:50	13S32'56"
17♏35'48"	☾♏♏	5:03:42	23♏35'48"

- 1 Geocentric longitude of the Moon
- 2 Moon waning tri-decile Uranus
- 3 Time: 5 hours, 3 minutes, 42 seconds
- 4 Geocentric longitude of Uranus

Short Version		
29		
☾♏♌	0:03:01	
♏♏♏	1:56:39	
☾♏♏	2:47:54	
☾♏♏	4:48:34	
☾♏♏	7:06:13	
☾♏♏	14:10:00	

- 1 The Moon
- 2 Enters the Sign Leo
- 3 Time: 14 hours, 10 minutes, 0 seconds or 2:10PM

Ephemeris Graphics

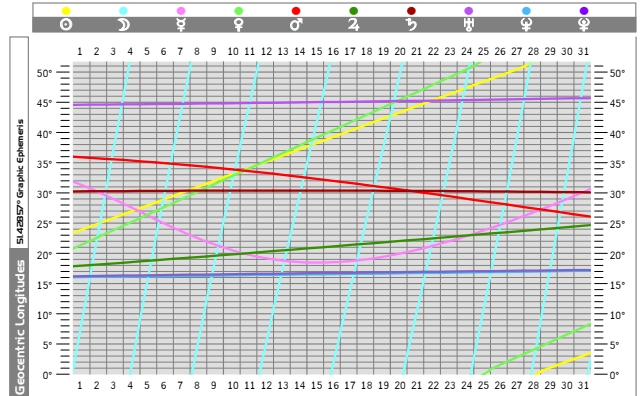
KhaldeaEphemeris7z includes several easy-to-read and highly accurate graphics. Tabular listing pertaining to the particular coordinate system or harmonic accompany monthly ephemeris graphics.

A 7th Harmonic graphic ephemeris and tabular listing shown at the right is one of the five monthly pages showing **harmonic** data and graphics for the planet's geocentric longitudes. The tables and graphics both provide a quick and easy way to determine planetary aspects, and are especially useful when searching for aspects of the decile (10th harmonic), novile (9th harmonic) septile (7th harmonic) and quintile (5th harmonic) series.

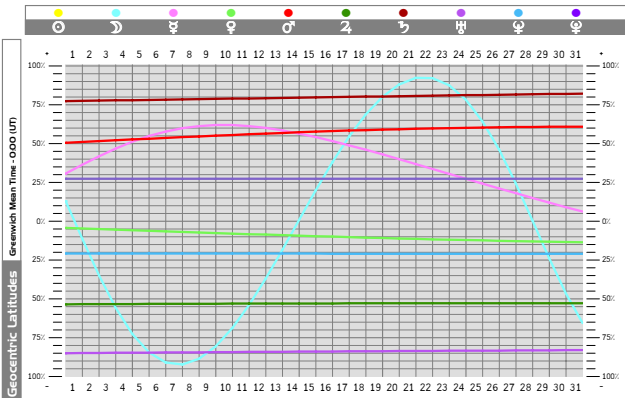
For instance, the ephemeris graphic shows a septile series aspect between Moon and Venus, occurring around noon on 2 January. A quick glance at the tabular listing indicates the same. The extended version of the Aspectarian shows a waning bi-septile occurring at 11:18:31 GMT.

Use Adobe Acrobat's Zoom feature to enlarge graphics.

KHALDEAEphemeris7z											JANUARY 2010										
v. 4.00 - Copyright © 2009											© 2009 21:20:27 Data1: 66.5473 sec										
	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊		♋	♌	♍	♎	♏	♐	♑	♒	♓	
1	23°18'30	07°23'15	34°28'29	31°51'11	20°42'26	35°57'37	17°47'15	30°13'15	44°31'07	16°09'38	16°09'58										
2	24°19'38	15°27'28	34°29'19	30°45'49	21°57'55	35°47'57	17°59'26	30°14'35	44°32'40	16°02'25	16°12'08										
3	25°20'46	30°30'02	34°22'08	29°32'55	23°13'25	35°37'28	18°11'41	30°15'48	44°34'15	16°04'12	16°14'17										
4	26°21'54	45°22'41	34°18'57	28°14'47	24°28'54	35°26'10	18°24'02	30°16'54	44°35'52	16°06'01	16°16'27										
5	27°23'02	8°33'09	34°15'47	26°53'58	25°44'24	35°14'04	18°36'27	30°17'54	44°37'33	16°07'51	16°16'36										
6	28°24'11	22°48'36	34°12'36	25°33'07	26°59'53	35°01'10	18°48'57	30°18'48	44°39'16	16°09'42	16°20'44										
7	29°25'19	36°41'24	34°09'26	24°14'49	28°15'22	34°47'29	19°01'31	30°19'35	44°41'02	16°11'34	16°22'52										
8	30°26'28	50°11'35	34°05'15	23°01'21	29°30'32	34°33'02	19°14'10	30°20'15	44°42'50	16°13'28	16°25'00										
9	31°27'37	11°54'53	34°03'04	21°54'39	30°46'21	34°17'48	19°26'54	30°20'49	44°44'41	16°15'22	16°27'08										
10	32°28'46	24°45'04	33°59'54	20°56'09	32°01'50	34°01'50	19°39'42	30°21'16	44°46'35	16°17'18	16°29'15										
11	33°29'55	37°19'05	33°56'43	20°06'50	33°17'20	33°45'09	19°52'34	30°21'37	44°48'31	16°19'15	16°31'22										
12	34°31'05	49°39'41	33°53'32	19°27'13	34°32'49	33°27'45	20°05'30	30°21'51	44°50'30	16°21'14	16°33'28										
13	35°32'14	10°23'42	33°50'22	18°57'28	35°48'17	33°09'41	20°18'31	30°21'59	44°52'32	16°23'13	16°35'33										
14	36°33'22	22°24'53	33°47'11	18°37'27	37°03'46	32°50'58	20°31'35	30°22'00	44°54'36	16°25'13	16°37'38										
15	37°34'31	34°19'40	33°44'01	18°26'49	38°19'14	32°31'30	20°44'44	30°21'55	44°56'43	16°27'15	16°39'43										
16	38°35'39	46°10'02	33°40'50	18°25'04	39°34'42	32°11'40	20°57'56	30°21'43	44°58'52	16°29'17	16°41'46										
17	39°36'46	6°32'18	33°37'39	18°23'36	40°50'10	31°51'10	21°11'11	30°21'24	45°01'03	16°31'20	16°43'49										
18	40°37'53	18°20'07	33°34'29	18°45'49	42°05'37	31°30'09	21°24'30	30°20'58	45°03'17	16°33'24	16°45'52										
19	41°38'59	30°10'14	33°31'18	19°07'03	43°21'03	31°08'38	21°37'53	30°20'27	45°05'33	16°35'29	16°47'53										
20	42°40'04	42°05'32	33°28'07	19°34'42	44°36'29	30°46'41	21°51'19	30°19'48	45°07'51	16°37'35	16°49'54										
21	43°41'09	2°43'38	33°24'57	20°08'10	45°51'54	30°24'19	22°04'48	30°19'03	45°10'12	16°39'41	16°51'54										
22	44°42'13	14°59'39	33°21'46	20°46'55	47°07'19	30°01'36	22°18'20	30°18'12	45°12'35	16°41'48	16°53'53										
23	45°43'15	27°31'50	33°18'36	21°30'26	48°22'43	29°38'53	22°31'56	30°17'14	45°14'58	16°43'56	16°55'51										
24	46°44'17	40°24'07	33°15'25	22°18'15	49°38'07	29°15'14	22°45'34	30°16'10	45°17'27	16°46'05	16°57'48										
25	47°45'18	21°42'11	33°12'14	23°09'58	50°53'30	28°51'41	22°59'15	30°14'59	45°19'57	16°48'15	16°59'45										
26	48°46'18	15°56'33	33°09'04	24°05'12	0°43'10	28°27'57	23°12'59	30°13'43	45°22'28	16°50'25	17°01'40										
27	49°47'16	30°05'53	33°05'53	25°03'37	1°58'31	28°04'05	23°26'46	30°12'21	45°25'02	16°52'36	17°03'35										
28	50°48'14	44°41'00	33°02'42	26°04'56	3°13'52	27°40'07	23°40'36	30°10'52	45°27'38	16°54'48	17°05'29										
29	0°23'28	8°11'57	32°59'32	27°08'52	4°29'13	27°15'06	23°54'28	30°09'17	45°30'15	16°56'59	17°07'22										
30	1°24'23	23°23'04	32°56'21	28°15'13	5°44'32	26°52'05	24°08'22	30°07'35	45°32'55	16°59'12	17°09'13										
31	2°25'18	38°39'17	32°53'11	29°23'45	6°59'51	26°28'07	24°22'19	30°05'48	45°35'37	17°01'25	17°11'04										



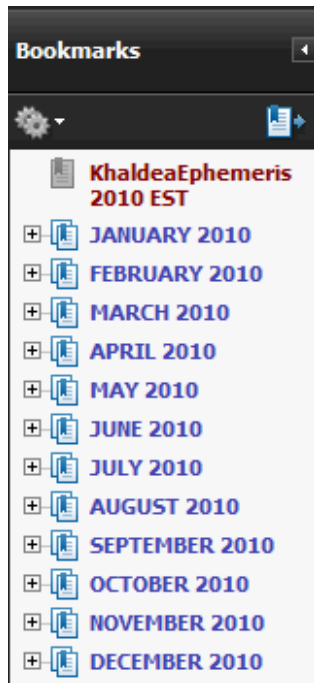
KHALDEAEphemeris7z											JANUARY 2010										
v. 4.00 - Copyright © 2009											© 2009 21:20:27 Data1: 66.5473 sec										
	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊		♋	♌	♍	♎	♏	♐	♑	♒	♓	
1	0N43'23"	1N38'07"	0S26'12"	3N45'27"	0S56'05"	2N17'16"	0S44'46"	0S25'06"	5N05'57"												
2	0S40'06"	1S56'53"	0S28'29"	3S47'53"	0S56'02"	2S17'33"	0S44'44"	0S25'06"	5S05'52"												
3	2°00'42	2°14'33	0°30'43	3°50'18	0°55'59	2°17'50	0°44'42	0°25'06	5°05'48												
4	3°12'14	2°30'41	0°32'56	3°52'41	0°55'56	2°18'08	0°44'39	0°25'06	5°05'44												
5	4°09'51	2°44'51	0°35'08	3°55'02	0°55'53	2°18'25	0°44'37	0°25'06	5°05'39												
6	5°03'32	2°56'47	0°37'19	3°57'21	0°55'51	2°18'42	0°44'35	0°25'06	5°05'36												
7	5°59'12	3°06'15	0°39'27	3°59'37	0°55'48	2°18'59	0°44'33	0°25'06	5°05'32												
8	6°57'24	3°13'12	0°41'34	4°01'51	0°55'46	2°19'17	0°44'31	0°25'06	5°05'28												
9	7°54'54	3°17'38	0°43'39	4°04'02	0°55'44	2°19'34	0°44'28	0°25'06	5°05'25												
10	4°37'20	3°19'42	0°45'42	4°06'09	0°55'42	2°19'51	0°44'26	0°25'06	5°05'21												
11	3°56'53	3°19'34	0°47'43	4°08'13	0°55'39	2°20'08	0°44'24	0°25'07	5°05'18												
12	06°04	3°17'28	0°49'41	4°10'14	0°55'37	2°20'25	0°44'22	0°25'07	5°05'15												
13	2°07'29	3°13'42	0°51'38	4°12'10	0°55'36	2°20'43	0°44'20	0°25'07	5°05'12												
14	1°05'53	3°08'28	0°53'32	4°14'02	0°55'34	2°20'59	0°44'18	0°25'07	5°05'10												
15	0N01'57	3°02'01	0°55'23	4°15'50	0°55'32	2°21'17	0°44'16	0°25'07	5°05'07												
16	1°07'17	2°54'35	0°57'13	4°17'33	0°55'30	2°21'34	0°44'14	0°25'08	5°05'05												
17	2°09'29	2°46'21	0°58'59	4°19'11	0°55'29	2°21'51	0°44'12	0°25'08	5°05'03												
18	3°06'06	2°37'29	1°00'43	4°20'44	0°55'28	2°22'08	0°44'10	0°25'08	5°05'01												
19	3°54'53	2°28'08	1°02'25	4°22'12	0°55'26	2°22'25	0°44'08	0°25'08	5°04'59												
20	4°33'52	2°18'26	1°04'03	4°23'34	0°55'25	2°22'42	0°44'06	0°25'08	5°04'57												
21	5°01'15	2°08'28	0°59'39	4°24'50	0°55'24	2°22'59	0°44'04	0°25'09	5°04'55												
22	5°15'28	1°58'21	0°57'12	4°25'59	0°55'23	2°23'16	0°44'02	0°25'09	5°04'54												
23	5°19'10	1°48'08	0°54'42	4°27'04	0°55'22	2°23'32	0°44'00	0°25'09	5°04'53												
24	4°59'19	1°37'52	1°00'09	4°28'01	0°55'21	2°23'49	0°43'59	0°25'10	5°04'51												
25	4°27'18	1°27'38	1°11'33	4°28'53	0°55'21	2°24'05	0°43'57	0°25'10	5°04'50												
26	3°39'17	1°17'27	1°12'54	4°29'38	0°55'20	2°24'22	0°43'55	0°25'10	5°04'50												
27	2°36'35	1°07'21	1°14'12	4°30'16	0°55'20	2°24'38	0°43'53	0°25'11	5°04'49												
28	1°22'01	0°57'22	1°15'26	4°30'48	0°55'19	2°24'54	0°43'52	0°25'11	5°04'48												
29	0°09'10	0°47'32	1°16'37	4°31'13	0°55'19	2°25'10	0°43'50	0°25'11	5°04'48												
30	1S22'53	0°37'52	1°17'45	4°31'31	0°55'19	2°25'26	0°43'48	0°25'12	0°44'47												
31	2°40'23	0°28'23	1°18'49	4°31'43	0°55'19	2°25'42	0°43'47	0°25'12	0°44'47												



The listings and graphics included on **coordinates** pages are similar to those for the harmonics. There are, however, two fundamental differences between the listings and graphics provided for the harmonics and those showing coordinates.

Firstly, the tabular listings show the actual position of the planets according to the particular coordinate. Secondly, coordinate graphics vary somewhat from harmonic graphics, and from one other. The graphics for declination, latitude and speed show plus (north or direction motion) and minus (retrograde motion or south) values. Additionally, while the declination graphic uses positional values, latitude, speed, and heliocentric distance graphics are based on percent values, which are more useful and visually appropriate.

Referring to the geocentric latitude graphic shown at left, one can immediately see that the Moon was at maximum south latitude around midnight on the 8th of the month, and at maximum north latitude on the 22nd of the month, while the Moon crossed into north latitude near midnight of the 15th. The ephemeris graphics are highly accurate, especially when printed in high-resolution. Use the lower and right edges of the planets' lines for greatest precision.



### Using Adobe Reader to View and Print the Ephemeris

**KhaldeaEphemeris7z** is an electronic publication in Adobe PDF format. Adobe Reader is required to read and print the ephemeris. We recommend Adobe Reader Version 9 or higher.

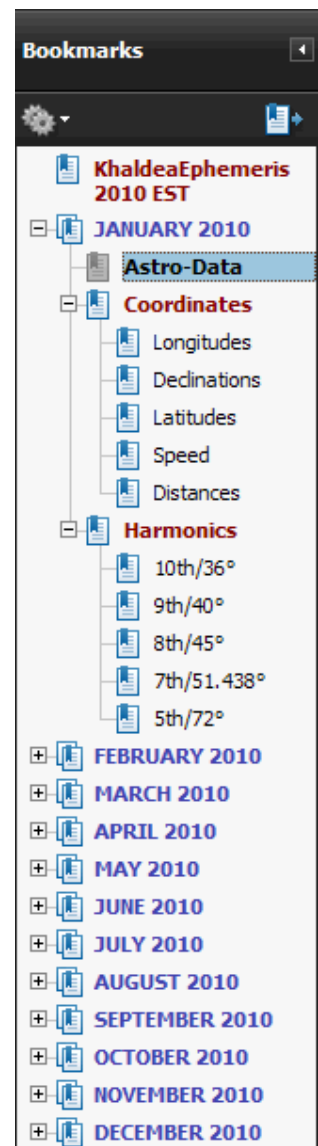
### Viewing the Ephemeris and Using Bookmarks

**KhaldeaEphemeris7z** is fully bookmarked, which makes it easy to jump to any of its many pages (annual editions are 180 pages). Clicking the Bookmark icon at the upper-left of Adobe Reader opens the bookmark tree (see left graphic). Mouse-clicking on any of the twelve bookmark links opens the particular month. Double-clicking on a month's link, or clicking on the [+] icon, expands the bookmarks (below).

With **bookmarks extended**, the user can easily navigate to the many pages comprising **KhaldeaEphemeris7z**. It should be noted that the Astro-Data bookmark opens the extended version of Astro-Data and aspects. The short Astro-Data version appears on the page preceding the longer version.

Adobe Reader also provides alternate methods of navigation, such as clicking the up and down arrows, and direct page number entry. The vertical scroll bar can also be used for navigation, but it should be used with care because attempting to scroll great distances, such as moving in a single stroke from the front of the ephemeris to its last pages, may overload Adobe Reader. If Reader crashes while using **KhaldeaEphemeris7z**, it indicates you are scrolling too quickly, or clicking the up or down buttons too rapidly.

Bookmarks may be retracted by mouse-clicking on the appropriate [-] icon.



### Printing the Ephemeris

The ephemeris pages are fully scalable, both for onscreen viewing and for printing. The savvy user will discover that the ephemeris pages can be reduced considerably, as well as enlarged. You may print hard copies for your **personal use only**. Distribution of **KhaldeaEphemeris7z** prints, screen images, data, fonts or other output, either for sale or freely given, is strictly prohibited, constituting a violation of U.S. and International Copyright.

**Print Range**

All  
 Current view  
 Current page  
 Pages 1 - 180  
 Subset: All pages in range  
 Reverse pages

**Page Handling**

Copies: 1  Collate  
 Page Scaling: None  
 Auto-Rotate and Center  
 Choose paper source by PDF page size

### Using the Print Dialog

For general use, the “Page Scaling” setting in the print dialog is most useful. A page scaling setting of “None” usually works well for standard letter-size paper. If the image appears too large, or if part of the image is clipped, use the “Fit to Printable Area” or “Shrink to Printable Area” settings. If the image appears too small, change the page setting to “None”

The “Multiple pages per sheet” page scaling setting prints reduced pages, two on a sheet. Setting a page range to include only the first two pages of a month produces a handy sheet comprising a monthly listing of the planets’ longitudes, latitudes and declination, plus the one-page version of the Astro-Data and Aspectarian (below).

**Print Range**

All  
 Current view  
 Current page  
 Pages 1 - 2  
 Subset: All pages in range  
 Reverse pages

**Page Handling**

Copies: 1  Collate  
 Page Scaling: Multiple pages per sheet  
 Pages per sheet: 2  
 Page Order: Horizontal

**Preview: Composite**

11  
 8.5

### Concluding Remarks

The ephemeris and this guide does not include instructions on how to use your printer and Adobe Reader. If you are unfamiliar with Acrobat Reader, refer to its help system and documentation.

Sidereal Time and Julian Day are not included. Sidereal Time isn't needed by the end user in the digital age, and many Julian Day calculators are available online.

Maximum elongations of Venus and Mercury are computed along the ecliptic; the planet's latitude is not factored. Times given for soli-lunar conjunctions and oppositions showing eclipse glyphs are for the exact aspect only, the eclipse generally occurs a few minutes prior to or after the aspect, otherwise our eclipse data is in agreement with NASA.

Notably, the ephemeris does not include listings for the oscillating (the so-called "true") lunar node, or for any of the vast number of solar system asteroids and minor objects. The introduction of spurious objects and oscillating abstractions into astrological practice is relatively recent, and easy access to data pertaining to them has been made possible only with the aid of computer technology. The result is a persistent increase of data accompanied by a corresponding shallowing of fundamental understanding. Indeed, since the 1970s each new asteroid, minor object or oscillating abstraction inducted into astrological service has been given the weight of a planet by its promoters, and welcomed as a powerful new tool by data hungry practitioners. It didn't take long before astrological fundamentals were replaced by fragments and hypotheticals.

Asteroids are not included in the astrological solar system model implement by Khaldea *Technology* principally because they are fragments, not natural wholes; but also because objects constituting solar system debris do not reflect *conditioned* light. Additionally, the so-called "true" lunar node — which is actually no more "true" than the "mean" node — is not listed. It makes little sense to take an abstraction, such as a lunar node, and attempt to treat it as if it were an actual celestial object with oscillating orbital elements.

Visit [khaldea.com/ephemeris](http://khaldea.com/ephemeris) to purchase KHALDEA *Ephemeris*7z



Highlights

Lunations		Lunar Ingresses		Perigees & Apogees		Phenomena		Mercury Cycle		Venus Cycle	
2	7:30	10	11:15.1	1	14:23	16	22:32	♀	20:58:07	☾	17:35:36
5	14:49	28	36.1	3	16:01	19	10:39	☾	22:10:51	☾	17:35:57
9	0:13	17	02.7	5	17:07	21	23:42	☾	22:58:08	☾	20:01:20
12	15:01	5	43.3	7	19:05	24	11:40	☾	20:33:26	☾	18:40:29
16	12:02	24	39.9	9	22:47	26	20:26	☾	5:27:16	☾	20:29:27
20	14:50	13	51.4	12	4:31	29	1:13	☾	10:38:36	☾	2:45:16
24	17:36	3	02.9	14	12:25	31	2:45	☾	12:38:36	☾	2:55:27
28	11:16	21	51.2					☾	16:27:13	☾	8:02:48
31	09:13	10	14.9					☾	17:38:03	☾	9:03:13
								☾	18:57:39	☾	9:59:19
								☾	19:33:14	☾	11:58:35
								☾	20:15:51	☾	14:34:59
								☾	1:52:22	☾	18:08:09
								☾	2:35:29	☾	19:12:44
								☾	2:40:34	☾	20:56:50
								☾	13:26:12	☾	22:46:22
								☾	14:50:01		
								☾	14:53:25		
								☾	16:49:03		
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								☾	23:05:33		
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								☾	12:53:32		
								☾	17:46:46		
								☾	18:11:47		
								☾	23:42:04		
								☾	0:15:33		
								☾	5:41:36		
								☾	8:13:16		
								☾	10:31:21		
								☾	11:23:16		
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								☾	18:06:02		
								☾	21:42:54		
								☾	0:34:45		
								☾	1:26:40		
								☾	7:01:59		
								☾	8:09:14		
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								☾	14:42:16		
								☾	15:14:53		
								☾	17:31:40		

Daily Aspectarian & AstroData Greenwich Mean Time (UT)

☾	0:21:18	☾	14:13:30	☾	9:16:45	☾	20:58:07	☾	17:35:36	☾	11:05:56
☾	2:03:17	☾	17:28:31	☾	11:21:02	☾	22:10:51	☾	17:35:57	☾	15:30:03
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☾	14:52:22	☾	23:51:04	☾	18:45:44	☾	12:38:36	☾	6:41:18	☾	2:45:16
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☾	20:26:58	☾	5:22:22	☾	6:53:23	☾	18:57:39	☾	8:18:06	☾	9:03:13
☾	21:56:25	☾	6:49:20	☾	8:44:46	☾	19:33:14	☾	23:04:37	☾	9:59:19
☾	22:03:36	☾	8:57:39	☾	13:07:24	☾	20:15:51	☾	20:57:37	☾	11:58:35
		☾	9:12:19	☾	15:16:43	☾	20	☾	26	☾	14:34:59
		☾	9:54:39	☾	16:24:09	☾	1:52:22	☾	1:00:11	☾	18:08:09
		☾	11:33:26	☾	18:47:59	☾	2:35:29	☾	3:30:51	☾	19:12:44
		☾	14:06:50	☾	21:18:21	☾	2:40:34	☾	4:14:03	☾	20:56:50
		☾	19:05:27	☾	22:44:19	☾	13:26:12	☾	5:16:28	☾	22:46:22
		☾	23:13:43	☾	23:06:55	☾	14:50:01	☾	7:15:04		
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		☾	0:57:47	☾	2:47:03	☾	19:44:16	☾	10:11:04		
		☾	2:34:59	☾	6:37:37	☾	21:35:10	☾	11:44:26		
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				☾	19:45:41	☾	23	☾	27		
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		☾	10:46:09	☾	12:02:04	☾	22	☾	10:36:28		
		☾	11:48:38	☾	15:28:59	☾	0:15:33	☾	11:15:50		
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		☾	22:07:18	☾	4:00:22	☾	10:31:21	☾	16:29:49		
				☾	6:23:58	☾	11:23:16	☾	17:53:59		
		☾	1:18:03	☾	7:41:05	☾	22:50:55	☾	20:31:13		
		☾	8:51:41	☾	12:39:07	☾	23	☾	29		
		☾	9:24:53	☾	15:17:21	☾	13:20:12	☾	0:09:01		
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		☾	16:22:44	☾	5:55:35	☾	21:42:54	☾	6:55:02		
		☾	17:44:28	☾	7:52:00	☾	24	☾	8:43:24		
		☾	21:16:01	☾	11:22:33	☾	0:34:45	☾	8:53:39		
				☾	13:45:35	☾	1:26:40	☾	11:21:07		
		☾	0:19:14	☾	16:02:12	☾	7:01:59	☾	14:43:22		
		☾	2:37:31	☾	16:38:59	☾	8:09:14	☾	30		
		☾	4:31:23	☾	16:41:04	☾	11:39:30	☾	2:23:20		
		☾	8:20:25	☾	20:07:39	☾	14:42:16	☾	8:57:34		
						☾	15:14:53	☾	10:05:46		
						☾	17:31:40				



Daily Aspectarian & AstroData Greenwich Mean Time (UT)

**26♂51°59' ♃★♀** 22:48:38 8♂51°59'

**12 December Saturday**

27♂41°45' ♃L♀ 0:19:14 12♂41°45'

28♂44°57' ♃★♂ 2:14:24 22♂44°57'

20♂10°49' ♃★♂ 2:14:41 28♂45°06'

9♂04°56' ♃L♀ 2:37:31 24♂04°56'

1♂15°35' ♃♂ 6:49:34 19♂15°35'

0.5544 ♃♂ 8:20:25 9♂24°16'

2♂35°57' ♃★♀ 9:16:45 2♂35°57'

3♂13°33' ♃♀ 10:25:43 13♂13°33'

3♂43°42' ♃♂ 11:21:02 3♂43°42'

17♂49°32' ♃♂ 12:57:18 17♂49°32'

4♂43°32' ♃♂ 13:10:56 22♂43°32'

20♂43°17' ♃L♀ 15:00:50 5♂43°17'

18♂16°49' ♃L♀ 15:34:09 18♂16°49'

6♂05°37' ♃♂ 15:41:57 24♂05°37'

22♂45°17' ♃♂ 17:19:25 22♂45°17'

7♂39°11' ♃♂ 18:34:25 13♂39°11'

7♂45°19' ♃♂ 18:45:44 22♂45°19'

9♂19°17' ♃♂ 21:39:19 19♂19°17'

9♂45°15' ♃♂ 22:27:21 3♂45°15'

9♂56°11' ♃♂ 22:47:35 22♂47°37'

10♂14°36' ♃★♀ 23:21:40 10♂14°36'

**18 December Sunday**

21♂08°45' ♃♂ 1:02:00 11♂08°45'

11♂11°39' ♃♀ 1:07:21 2♂37°21'

11♂14°41' ♃♀ 1:12:59 24♂06°07'

13♂46°17' ♃♂ 5:54:29 3♂46°17'

14♂17°56' ♃♀ 6:53:23 14♂17°56'

10♂45°39' ♃★♂ 8:44:46 22♂45°39'

21♂29°17' ♃♂ 9:06:17 15♂29°17'

17♂38°26' ♃♂ 13:07:24 2♂38°26'

18♂47°33' ♃♂ 15:16:43 3♂47°33'

19♂23°34' ♃♂ 16:24:09 19♂23°34'

19♂47°29' ♃♀ 17:08:59 11♂13°12'

22♂18°01' ♃♂ 18:47:59 22♂18°01'

22♂00°18' ♃♂ 21:18:21 22♂00°18'

22♂39°17' ♃♀ 22:31:40 2♂39°17'

22♂46°01' ♃♂ 22:44:19 22♂46°01'

22♂58°01' ♃♂ 23:06:55 22♂58°01'

**14 December Monday**

24♂07°24' ♃♂ 1:17:38 24♂07°24'

23♂12°41' ♃♂ 2:47:03 23♂12°41'

25♂14°54' ♃♂ 3:25:01 3♂49°11'

26♂39°57' ♃♂ 6:05:45 2♂39°57'

26♂56°48' ♃♂ 6:37:37 11♂56°48'

15♂50°22' ♃♂ 12:16:10 3♂50°22'

12:25:01

22♂46°27' ♃♂ 15:26:51 22♂46°27'

2♂19°55' ♃♂ 16:51:15 19♂28°30'

2♂30°27' ♃♂ 17:11:19 12♂30°27'

2♂40°59' ♃♂ 17:31:25 2♂40°59'

3♂06°19' ♃♂ 18:19:44 23♂06°19'

3♂51°21' ♃♂ 19:45:41 3♂51°21'

4♂08°25' ♃♂ 20:18:18 24♂08°25'

4♂46°37' ♃♂ 21:31:17 22♂46°37'

24♂55°03' ♃♂ 23:06:09 24♂55°03'

**15 December Tuesday**

23♂08°55' ♃♂ 0:16:33 23♂08°55'

6♂57°10' ♃♂ 1:41:13 12♂57°10'

7♂30°16' ♃♂ 2:44:43 19♂30°16'

13♂11°32' ♃♀ 6:18:22 23♂11°32'

9♂55°28' ♃♂ 7:23:45 22♂46°54'

11♂13°07' ♃♂ 9:53:18 23♂13°07'

12♂09°17' ♃♂ 11:41:39 24♂09°17'

13♂31°58' ♃♂ 12:55:31 19♂31°58'

13♂36°50' ♃♂ 14:30:49 13♂36°50'

23♂54°14' ♃♂ 18:05:28 3♂54°14'

15♂54°21' ♃♂ 18:57:08 3♂54°21'

17♂37°24' ♃♂ 22:17:15 17♂37°24'

**16 December Wednesday**

24♂09°59' ♃♂ 0:16:40 24♂09°59'

14♂10°03' ♃♀ 1:27:55 24♂10°03'

19♂33°57' ♃♂ 2:04:04 19♂33°57'

25♂46°05' ♃♂ 2:37:18 19♂51°01'

22♂47°39' ♃♂ 8:22:14 22♂47°39'

23♂23°30' ♃♂ 9:32:25 23♂23°30'

23♂56°19' ♃♂ 10:36:40 3♂56°19'

24♂10°35' ♃♂ 11:04:38 24♂10°35'

24♂39°54' ♃♂ 12:02:04 24♂39°54'

24♂10°50' ♃♂ 15:28:59 2♂45°07'

22:31:46

**17 December Thursday**

2♂05°23' ♃♂ 2:39:30 23♂31°06'

2♂45°51' ♃♀ 3:59:33 24♂11°34'

2♂46°15' ♃♂ 4:00:22 2♂46°15'

2♂48°16' ♃♂ 4:04:22 22♂48°16'

3♂58°44' ♃♂ 6:23:58 3♂58°44'

4♂37°38' ♃♂ 7:41:05 19♂37°38'

19♂38°08' ♃♂ 12:39:07 19♂38°08'

24♂19°13' ♃♂ 15:17:21 24♂19°13'

8♂36°53' ♃♂ 15:36:46 23♂36°53'

9♂12°18' ♃♂ 16:47:20 24♂12°18'

10♂48°49' ♃♂ 19:59:55 22♂48°49'

**18 December Friday**

13♂39°18' ♃♂ 1:40:51 19♂39°18'

13♂41°27' ♃♂ 1:45:09 23♂41°27'

23♂23°11' ♃♂ 2:01:20 23♂23°11'

14♂12°53' ♃♂ 2:48:08 24♂12°53'

22♂59°33' ♃♂ 5:55:35 22♂59°33'

16♂44°21' ♃♂ 7:52:00 16♂44°21'

16♂53°13' ♃♂ 8:09:50 4♂01°48'

17♂45°07' ♃♂ 9:54:06 23♂45°07'

18♂13°21' ♃♂ 10:50:52 24♂13°21'

16♂53°36' ♃♂ 11:22:33 4♂02°10'

19♂40°10' ♃♂ 13:45:35 19♂40°10'

22♂49°31' ♃♂ 16:02:12 2♂49°31'

21♂06°14' ♃♂ 16:38:59 21♂06°14'

22♂03°00' ♃♂ 16:41:04 21♂07°16'

22♂49°39' ♃♂ 18:33:29 4♂03°00'

20°15'28' ♃♂ 20:58:07 17♂18°23'

23♂50°40' ♃♂ 22:10:51 23♂50°40'

23♂57°49' ♃♂ 22:25:18 19♂40°41'

24♂14°04' ♃♂ 22:58:08 24♂14°04'

**19 December Saturday**

27♂26°24' ♃♂ 5:27:16 27♂26°24'

27♂48°55' ♃♂ 6:12:52 21♂48°55'

29♂41°12' ♃♂ 10:00:28 19♂41°12'

10:38:36

17♂57°15' ♃♂ 12:38:36 23♂57°15'

1♂24°35' ♃♂ 12:30:16 22♂50°18'

2♂17°29' ♃♂ 15:17:41 22♂17°29'

2♂51°43' ♃♂ 16:27:13 2♂51°43'

18♂17°23' ♃♂ 17:38:03 18♂17°23'

28♂00°19' ♃♂ 18:46:38 4♂00°19'

4♂05°45' ♃♂ 18:57:39 4♂05°45'

17♂59°12' ♃♂ 19:33:14 17♂59°12'

18♂15°21' ♃♂ 20:15:51 24♂15°21'

**20 December Sunday**

22♂50°47' ♃♂ 1:52:22 22♂50°47'

7♂50°48' ♃♂ 2:35:29 22♂50°48'

7♂53°18' ♃♂ 2:40:34 22♂53°18'

28♂23°00' ♃♂ 3:41:01 8♂23°00'

8♂52°50' ♃♂ 4:41:46 2♂52°50'

12♂51°12' ♃♂ 12:47:22 22♂51°12'

12♂53°34' ♃♂ 12:52:12 2♂53°34'

♂♂ 13:26:12 19♂41°43'

28♂51°23' ♃♂ 14:50:01 13♂51°23'

0.0027 ♃♂ 14:53:25 13♂53°03'

14♂21°21' ♃♂ 16:49:03 14♂21°21'

15♂05°10' ♃♂ 17:20:23 23♂39°27'

13♂49°19' ♃♂ 19:44:16 13♂49°19'

16♂51°32' ♃♂ 20:57:12 22♂51°32'

23♂26°09' ♃♂ 21:35:10 23♂26°09'

♀♂ 22:00:57 23♂54°10'

17♂54°30' ♃♂ 23:05:33 2♂54°30'

**21 December Monday**

19♂09°03' ♃♂ 1:37:28 4♂09°03'

19♂20°32' ♃♂ 2:00:53 19♂20°32'

19♂41°35' ♃♂ 2:43:48 19♂41°35'

24♂09°10' ♃♂ 2:47:05 4♂09°10'

24♂15°46' ♃♂ 4:52:45 24♂15°46'

29♂27°54' ♃♂ 5:10:34 20♂53°37'

24♂17°23' ♃♂ 5:23:43 24♂17°23'

23♂19°52' ♃♂ 6:11:59 23♂19°52'

24♂17°36' ♃♂ 8:50:33 24♂17°36'

22♂52°02' ♃♂ 9:11:46 22♂52°02'

24♂17°48' ♃♂ 12:06:22 24♂17°48'

24♂19°08' ♃♂ 12:09:05 24♂19°08'

24♂21°24' ♃♂ 12:13:43 2♂55°42'

19♂41°21' ♃♂ 12:33:24 19♂41°21'

24♂40°58' ♃♂ 12:53:32 24♂40°58'

25♂46°11' ♃♂ 15:06:13 19♂46°11'

17:46:46

24♂21°57' ♃♂ 18:11:47 2♂56°14'

28♂10°57' ♃♂ 20:00:34 4♂10°57'

23:42:04

0♂02°03' ♃♂ 23:46:13 20♂02°03'

**22 December Tuesday**

0♂16°30' ♃♂ 0:15:33 0♂16°30'

2♂57°17' ♃♂ 5:41:36 2♂57°17'

4♂12°10' ♃♂ 8:13:16 4♂12°10'

5♂20°25' ♃♂ 10:31:21 20♂20°25'

23♂26°12' ♃♂ 11:23:16 23♂26°12'

8♂06°39' ♃♂ 16:07:05 26♂06°39'

8♂30°10' ♃♂ 16:54:32 4♂13°02'

9♂39°43' ♃♂ 19:14:42 19♂39°43'

3♂30°39' ♃♂ 22:50:55 3♂30°39'

**23 December Wednesday**

12♂07°17' ♃♂ 0:11:31 20♂41°35'

1♂23°59' ♃♂ 2:45:27 13♂23°59'

14♂14°09' ♃♂ 4:26:01 4♂14°09'

14♂59°28' ♃♂ 5:56:48 2♂59°28'

15♂21°38' ♃♂ 6:41:09 19♂38°47'

17♂03°07' ♃♂ 10:03:58 27♂03°07'

ON22°28' ♃♂ 13:20:12 OS22°28'

♂♂ 15:03:09 19♂33°15'

19♂37°58' ♃♂ 15:12:32 19♂37°58'

ON22°23' ♃♂ 16:45:34 ON22°23'

21♂05°17' ♃♂ 18:06:02 21♂05°17'

2♂08°21' ♃♂ 20:11:06 22♂08°21'

22♂54°42' ♃♂ 21:42:54 22♂54°42'

23♂00°55' ♃♂ 21:55:12 3♂00°55'

**24 December Thursday**

24♂21°39' ♃♂ 0:34:45 24♂21°39'

24♂47°58' ♃♂ 1:26:40 24♂47°58'

25♂36°40' ♃♂ 3:02:41 19♂36°40'

3N30°02' ♃♂ 7:01:59 3♂30°02'

28♂12°37' ♃♂ 8:09:14 28♂12°37'

11:39:30

0♂22°26' ♃♂ 12:23:19 24♂22°26'

0♂53°40' ♃♂ 13:24:18 24♂53°40'

2♂55°31' ♃♂ 14:42:16 22♂55°31'

2♂56°54' ♃♂ 15:14:53 24♂22°37'

3♂02°43' ♃♂ 17:31:40 3♂02°43'

3♂02°43' ♃♂ 17:35:36 3♂02°43'

3♂02°53' ♃♂ 17:35:57 3♂02°53'

3♂29°38' ♃♂ 18:27:53 21♂29°38'

4♂17°48' ♃♂ 20:01:20 4♂17°48'

4♂22°57' ♃♂ 20:11:18 24♂22°57'

4♂34°22' ♃♂ 20:33:26 19♂34°22'

4♂57°26' ♃♂ 21:18:07 24♂57°26'

**25 December Friday**

9♂23°34' ♃♂ 5:50:56 24♂23°34'

3♂36°14' ♃♂ 6:41:18 25♂01°56'

10♂02°08' ♃♂ 7:04:48 25♂02°08'

11♂40°07' ♃♂ 10:12:06 21♂40°07'

12♂31°05' ♃♂ 11:49:17 29♂39°39'

15♂50°07' ♃♂ 18:06:54 24♂24°24'

18:17:06

15♂56°23' ♃♂ 18:18:44 3♂04°58'

16♂33°49' ♃♂ 19:29:25 25♂08°06'

4♂11°08' ♃♂ 20:23:37 17♂02°33'

18♂13°39' ♃♂ 22:37:25 0♂13°39'

18N17°47' ♃♂ 23:04:37 18N17°47'

4♂20°13' ♃♂ 23:57:37 4♂20°13'

**26 December Saturday**

19♂29°44' ♃♂ 1:00:11 19♂29°44'

4♂29°16' ♃♂ 3:30:51 19♂29°16'

Daily Aspectarian & AstroData Greenwich Mean Time (UT)

21°05'49"	♃♂	3:59:56	3♃05'49"
5N16'38"	♃♂	4:14:03	21♃13'25"
21°46'53"	♃♂	5:16:28	21♃46'53"
4♃37'46"	♃♂	6:51:12	22♃37'46"
13N46'31"	♃♂	7:15:04	13S46'31"
22°57'33"	♃♂	7:27:58	22♃57'33"
13N59'35"	♃♂	8:20:13	13S59'35"
24°21'03"	♃♂	10:02:51	4♃21'03"
24°25'29"	♃♂	10:11:04	24♃25'29"
25°15'58"	♃♂	11:44:26	25♃15'58"
	♀♂	14:38:01	21♃47'43"
28°58'08"	♃♂	18:33:00	22♃58'08"
	♀♂	20:09:13	21♃47'25"
	♃♂	20:26:06	
0♃04'45"	♃♂	20:34:47	4♃21'54"
1♃25'21"	♃♂	23:01:40	19♃25'21"
1♃30'58"	♃♂	23:11:52	1♃30'58"

**27 December Sunday**

2♃58'31"	♃♂	1:50:50	22♃58'31"
3♃07'51"	♃♂	2:07:44	3♃07'51"
4♃22'31"	♃♂	4:22:47	4♃22'31"
4♃37'10"	♃♂	4:49:16	21♃45'45"
5♃38'24"	♃♂	6:39:35	5♃38'24"
18N17'49"	♃♂	7:07:12	18S17'49"
18N23'05"	♃♂	7:37:32	18N23'05"
6♃26'59"	♃♂	8:06:57	24♃26'59"
6♃31'53"	♃♂	8:15:45	19♃23'19"
19♃22'57"	♃♂	9:51:25	4♃22'57"
7♃26'45"	♃♂	9:54:12	25♃26'45"
7♃58'59"	♃♂	10:51:56	22♃58'59"
9♃42'22"	♃♂	13:56:32	21♃42'22"
10♃23'22"	♃♂	15:09:28	4♃23'22"
14♃25'21"	♃♂	22:17:43	22♃59'38"
14♃27'58"	♃♂	22:22:19	24♃27'58"

**28 December Monday**

15♃33'49"	♃♂	0:18:07	25♃33'49"
21N20'13"	♃♂	1:56:38	21S20'13"
2♃59'55"	♀♂	3:28:16	22♃59'55"
3♃02'40"	♀♂	4:20:38	24♃28'23"
18♃03'42"	♃♂	4:40:30	3♃03'42"
18♃10'16"	♃♂	4:51:59	3♃10'16"
3♃10'27"	♀♂	6:49:12	3♃10'27"
19♃17'48"	♃♂	6:49:40	19♃17'48"
19♃24'33"	♃♂	7:01:23	4♃24'33"
21♃28'29"	♃♂	10:36:28	21♃28'29"
6♃51'15"	♃♂	11:15:50	21♃51'15"
23♃00'28"	♃♂	13:15:23	23♃00'28"
24♃29'10"	♃♂	15:48:08	24♃29'10"
23N14'59"	♃♂	16:29:49	23S14'59"
25♃42'28"	♃♂	17:53:59	25♃42'28"
27♃11'41"	♃♂	20:26:37	3♃11'41"
23N41'43"	♃♂	20:31:13	23S41'43"
27♃57'24"	♃♂	21:44:39	3♃57'24"
29♃13'10"	♃♂	23:53:43	19♃13'10"

**29 December Tuesday**

23S41'49"	♀♂	0:09:01	4♃04'58"
	♃♂	1:13:16	
4♃12'26"	♀♂	2:31:23	19♃12'26"
7♃33'32"	♃♂	3:51:47	1♃33'32"
4♃22'39"	♀♂	5:46:07	25♃48'22"
3♃12'36"	♃♂	6:39:10	3♃12'36"
4♃26'16"	♀♂	6:55:02	4♃26'16"
4♃26'23"	♃♂	8:43:24	4♃26'23"
4♃32'28"	♃♂	8:53:39	4♃32'28"
5♃01'37"	♃♂	9:42:39	23♃01'37"
6♃00'18"	♃♂	11:21:07	21♃00'18"
7♃09'16"	♃♂	13:16:36	19♃09'16"
7♃22'08"	♃♂	13:38:08	24♃30'43"
7♃30'24"	♃♂	13:51:57	3♃13'15"
8♃01'11"	♃♂	14:43:22	8♃01'11"
8♃44'50"	♃♂	15:56:13	25♃53'24"
9♃14'21"	♃♂	16:45:25	4♃57'12"
12♃31'20"	♃♂	22:12:34	24♃31'20"
8♃20'43"	♃♂	22:23:22	12♃37'51"
13♃02'25"	♃♂	23:04:01	23♃02'25"
13♃14'08"	♃♂	23:23:24	3♃14'08"

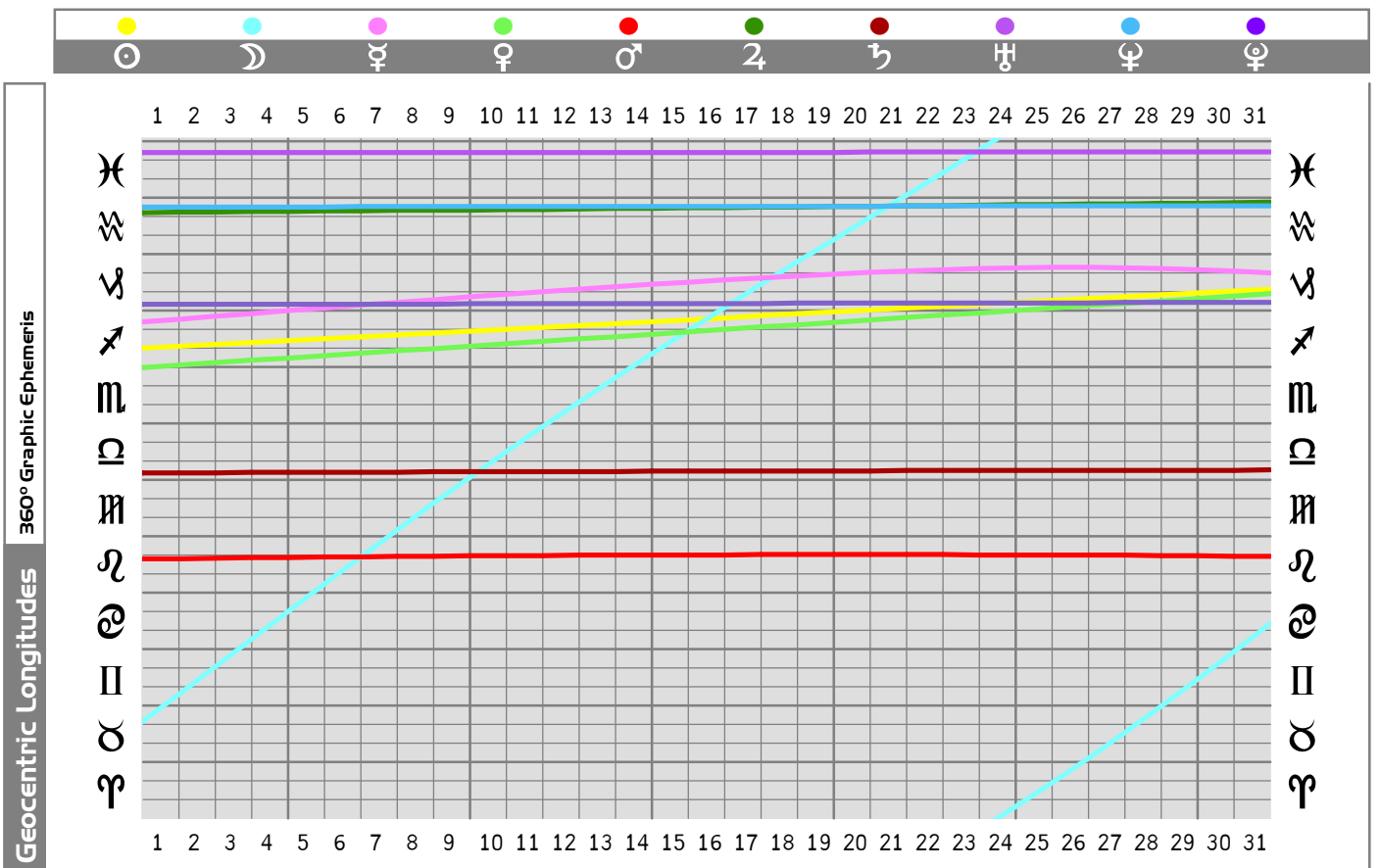
**30 December Wednesday**

13♃57'43"	♃♂	0:35:26	25♃57'43"
14♃38'12"	♃♂	1:42:15	20♃38'12"
13S44'26"	♃♂	2:23:20	13S44'26"
15♃29'50"	♃♂	3:07:22	5♃29'50"
16♃27'43"	♃♂	4:42:40	4♃27'43"
8♃46'29"	♃♂	8:30:27	18♃46'29"
19♃03'01"	♃♂	8:57:34	19♃03'01"
25N47'22"	♃♂	10:05:46	19♃44'42"
20♃21'30"	♃♂	11:05:56	20♃21'30"
21♃36'51"	♃♂	13:08:59	4♃28'17"
23♃03'24"	♃♂	15:30:03	23♃03'24"
24♃25'47"	♃♂	17:44:05	20♃08'39"
24♃32'44"	♃♂	17:55:22	24♃32'44"
20♃06'46"	♃♂	18:40:29	26♃06'46"
26♃07'40"	♃♂	20:29:27	26♃07'40"
27♃32'37"	♃♂	22:47:04	18♃58'19"

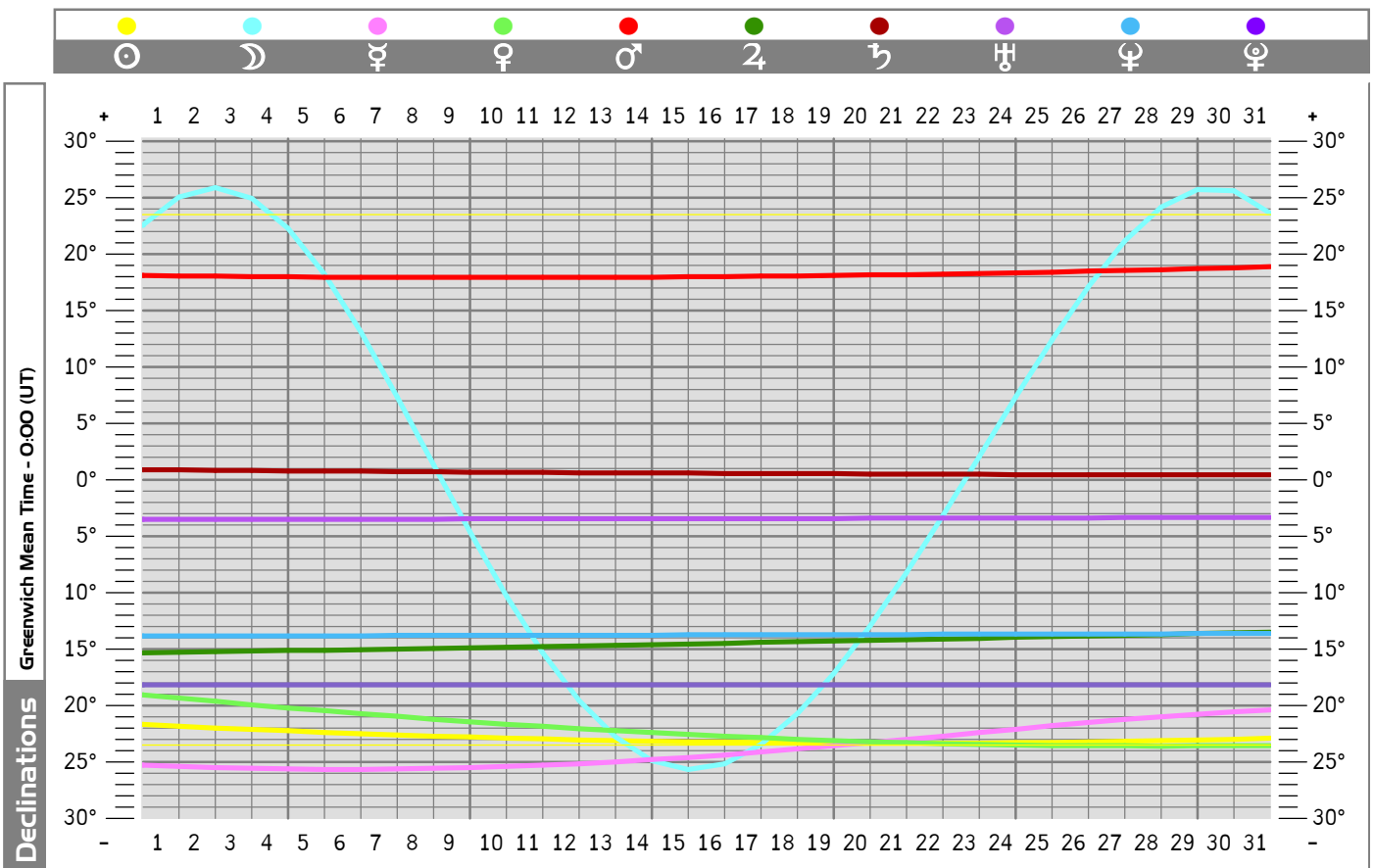
**31 December Thursday**

29♃50'24"	♃♂	2:29:47	19♃50'24"
	♃♂	2:45:16	
9♃33'23"	♃♂	2:55:27	24♃33'23"
3♃17'06"	♃♂	8:02:48	3♃17'06"
3♃54'40"	♃♂	9:03:13	18♃54'40"
4♃29'34"	♃♂	9:59:19	4♃29'34"
0.3075	♀♂	11:58:35	19♃29'05"
5♃56'06"	♃♂	12:18:15	23♃04'41"
7♃21'22"	♃♂	14:34:59	7♃21'22"
8♃51'43"	♃♂	16:59:42	18♃51'43"
9♃34'30"	♃♂	18:08:09	24♃34'30"
10♃14'53"	♃♂	19:12:44	10♃14'53"
11♃05'11"	♃♂	20:33:11	23♃05'11"
11♃19'59"	♃♂	20:56:50	26♃19'59"
23N38'28"	♃♂	22:46:22	23S38'28"
12♃49'19"	♃♂	23:19:31	18♃49'19"

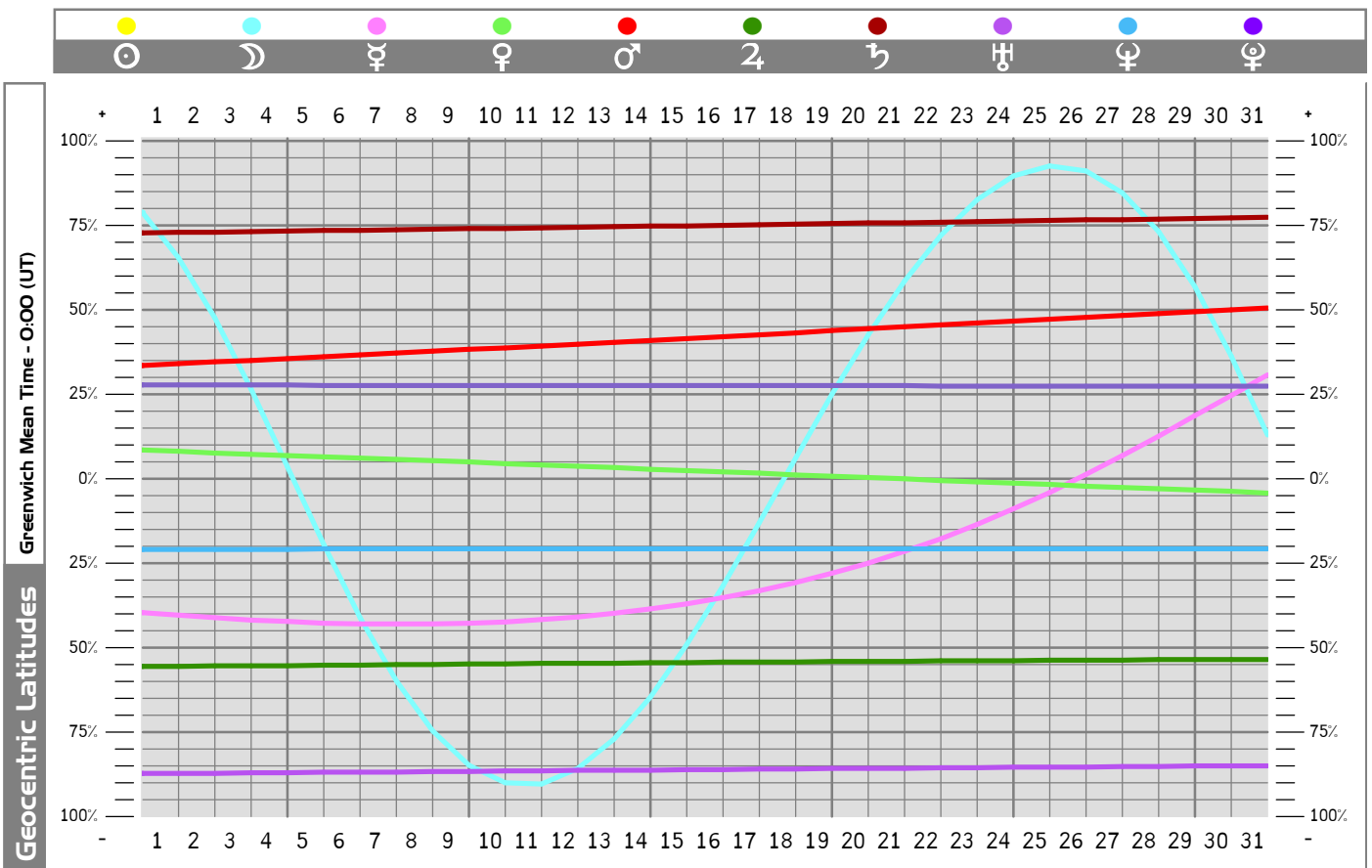
	☉	☾	♁	♂	♀	♄	♃	♅	♆	♇	♈	♉
1	8 55'16"	21 29'54"	23 15'33"	22 57'49"	28 50'41"	17 23'40"	20 54'34"	2 59'05"	22 42'17"	23 53'09"	2 12'06"	
2	9 56'04"	5 44'20"	23 12'22"	24 27'56"	0 06'06"	17 36'44"	21 03'19"	3 03'26"	22 42'16"	23 54'03"	2 14'08"	
3	10 56'52"	20 14'17"	23 09'12"	25 57'41"	1 21'32"	17 49'14"	21 12'12"	3 07'42"	22 42'18"	23 54'59"	2 16'12"	
4	11 57'42"	4 53'12"	23 06'01"	27 27'01"	2 36'58"	18 01'09"	21 21'12"	3 11'53"	22 42'23"	23 55'57"	2 18'16"	
5	12 58'34"	19 34'09"	23 02'50"	28 55'54"	3 52'25"	18 12'28"	21 30'21"	3 15'58"	22 42'31"	23 56'57"	2 20'20"	
6	13 59'26"	4 10'53"	22 59'40"	0 24'13"	5 07'52"	18 23'10"	21 39'38"	3 19'59"	22 42'43"	23 57'59"	2 22'26"	
7	15 00'20"	18 38'32"	22 56'29"	1 51'54"	6 23'20"	18 33'15"	21 49'02"	3 23'53"	22 42'57"	23 59'03"	2 24'31"	
8	16 01'15"	2 53'50"	22 53'19"	3 18'49"	7 38'48"	18 42'41"	21 58'34"	3 27'43"	22 43'14"	24 00'08"	2 26'38"	
9	17 02'11"	16 55'02"	22 50'08"	4 44'52"	8 54'17"	18 51'28"	22 08'14"	3 31'27"	22 43'34"	24 01'15"	2 28'44"	
10	18 03'08"	0 41'32"	22 46'57"	6 09'52"	10 09'46"	18 59'36"	22 18'01"	3 35'06"	22 43'58"	24 02'25"	2 30'51"	
11	19 04'07"	14 13'26"	22 43'47"	7 33'40"	11 25'15"	19 07'02"	22 27'56"	3 38'39"	22 44'24"	24 03'36"	2 32'59"	
12	20 05'07"	27 31'12"	22 40'36"	8 56'02"	12 40'45"	19 13'47"	22 37'58"	3 42'06"	22 44'54"	24 04'48"	2 35'07"	
13	21 06'08"	10 35'18"	22 37'25"	10 16'43"	13 56'15"	19 19'50"	22 48'07"	3 45'28"	22 45'26"	24 06'03"	2 37'16"	
14	22 07'10"	23 26'12"	22 34'15"	11 35'27"	15 11'46"	19 25'10"	22 58'24"	3 48'44"	22 46'02"	24 07'19"	2 39'25"	
15	23 08'12"	6 04'20"	22 31'04"	12 51'53"	16 27'17"	19 29'47"	23 08'47"	3 51'54"	22 46'41"	24 08'38"	2 41'34"	
16	24 09'16"	18 30'14"	22 27'54"	14 05'38"	17 42'48"	19 33'39"	23 19'18"	3 54'59"	22 47'23"	24 09'58"	2 43'44"	
17	25 10'21"	0 44'41"	22 24'43"	15 16'16"	18 58'19"	19 36'47"	23 29'55"	3 57'58"	22 48'09"	24 11'19"	2 45'53"	
18	26 11'26"	12 48'55"	22 21'32"	16 23'16"	20 13'50"	19 39'09"	23 40'39"	4 00'50"	22 48'57"	24 12'43"	2 48'04"	
19	27 12'31"	24 44'40"	22 18'22"	17 26'04"	21 29'22"	19 40'46"	23 51'30"	4 03'37"	22 49'48"	24 14'08"	2 50'14"	
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21	29 14'44"	18 21'13"	22 12'00"	19 16'25"	24 00'24"	19 41'38"	24 13'30"	4 08'53"	22 51'40"	24 17'03"	2 54'35"	
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23	1 16'57"	12 01'33"	22 05'39"	20 41'18"	26 31'27"	19 39'21"	24 35'55"	4 13'43"	22 53'43"	24 20'04"	2 58'56"	
24	2 18'04"	24 04'04"	22 02'29"	21 12'03"	27 46'57"	19 37'01"	24 47'16"	4 15'59"	22 54'49"	24 21'37"	3 01'07"	
25	3 19'12"	6 21'11"	21 59'18"	21 33'48"	29 02'28"	19 33'52"	24 58'44"	4 18'09"	22 55'58"	24 23'12"	3 03'18"	
26	4 20'19"	18 57'38"	21 56'07"	21 45'41"	0 17'59"	19 29'55"	25 10'17"	4 20'13"	22 57'10"	24 24'48"	3 05'29"	
27	5 21'26"	1 57'27"	21 52'57"	21 46'52"	1 33'29"	19 25'08"	25 21'56"	4 22'10"	22 58'25"	24 26'25"	3 07'39"	
28	6 22'34"	15 23'30"	21 49'46"	21 36'43"	2 48'59"	19 19'33"	25 33'40"	4 24'02"	22 59'43"	24 28'04"	3 09'50"	
29	7 23'41"	29 16'53"	21 46'35"	21 14'48"	4 04'30"	19 13'09"	25 45'30"	4 25'47"	23 01'04"	24 29'45"	3 12'01"	
30	8 24'49"	13 36'16"	21 43'25"	20 41'03"	5 20'00"	19 05'56"	25 57'26"	4 27'25"	23 02'28"	24 31'27"	3 14'11"	
31	9 25'56"	28 17'42"	21 40'14"	19 55'45"	6 35'30"	18 57'54"	26 09'26"	4 28'58"	23 03'55"	24 33'11"	3 16'22"	



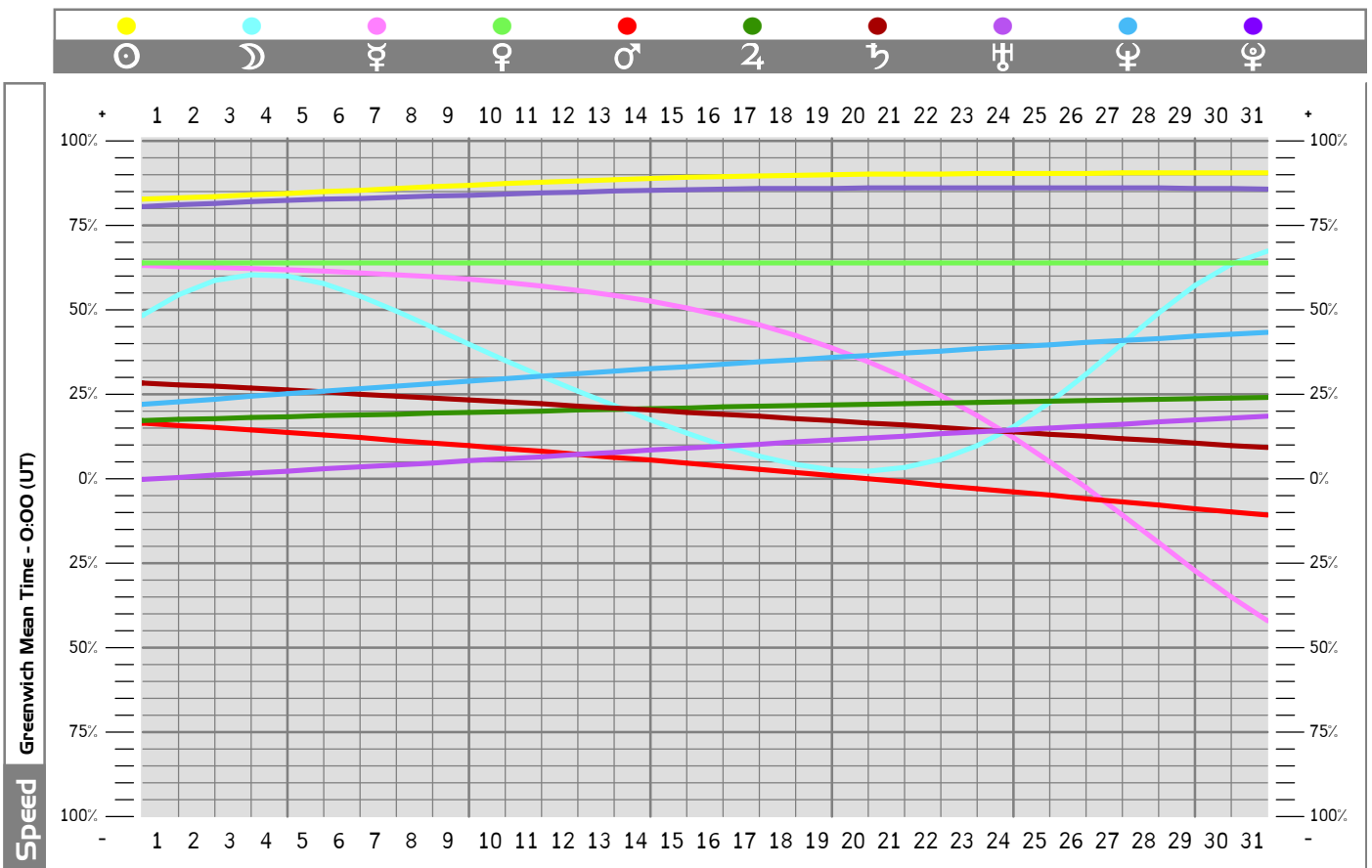
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<b>3</b>	22 05'06	25 46'21	25 37'06	19 44'47	17 55'35	15 20'59	0 44'11	3 35'54	13 56'39	18 15'52
<b>4</b>	22 13'24	24 50'27	25 41'25	20 01'56	17 54'04	15 18'01	0 42'45	3 35'50	13 56'19	18 15'59
<b>5</b>	22 21'17	22 11'30	25 44'20	20 18'30	17 52'45	15 14'59	0 41'21	3 35'44	13 55'59	18 16'06
<b>6</b>	22 28'44	18 06'23	25 45'48	20 34'31	17 51'38	15 11'54	0 39'59	3 35'38	13 55'39	18 16'13
<b>7</b>	22 35'45	12 58'53	25 45'50	20 49'55	17 50'44	15 08'46	0 38'40	3 35'30	13 55'17	18 16'20
<b>8</b>	22 42'19	7 13'41	25 44'25	21 04'44	17 50'02	15 05'36	0 37'23	3 35'21	13 54'56	18 16'26
<b>9</b>	22 48'27	1 12'56	25 41'33	21 18'57	17 49'33	15 02'23	0 36'09	3 35'11	13 54'33	18 16'32
<b>10</b>	22 54'07	4S44'25	25 37'14	21 32'32	17 49'17	14 59'07	0 34'56	3 34'59	13 54'10	18 16'38
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<b>12</b>	23 04'07	15 25'10	25 24'20	21 57'48	17 49'26	14 52'27	0 32'38	3 34'32	13 53'22	18 16'50
<b>13</b>	23 08'25	19 40'09	25 15'46	22 09'27	17 49'52	14 49'03	0 31'32	3 34'17	13 52'57	18 16'55
<b>14</b>	23 12'16	22 54'33	25 05'51	22 20'28	17 50'31	14 45'36	0 30'29	3 34'01	13 52'32	18 17'00
<b>15</b>	23 15'40	24 58'20	24 54'38	22 30'48	17 51'26	14 42'07	0 29'28	3 33'43	13 52'05	18 17'05
<b>16</b>	23 18'35	25 45'38	24 42'10	22 40'28	17 52'35	14 38'35	0 28'30	3 33'24	13 51'39	18 17'10
<b>17</b>	23 21'03	25 16'03	24 28'31	22 49'26	17 53'59	14 35'01	0 27'34	3 33'04	13 51'12	18 17'15
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<b>26</b>	23 22'03	12 17'57	21 54'53	23 38'30	18 17'56	14 00'59	0 21'01	3 29'10	13 46'42	18 17'47
<b>27</b>	23 19'49	17 00'48	21 37'51	23 40'20	18 21'51	13 56'59	0 20'30	3 28'38	13 46'10	18 17'49
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<b>30</b>	23 10'18	25 37'49	20 52'23	23 41'27	18 35'06	13 44'50	0 19'12	3 26'56	13 44'29	18 17'56
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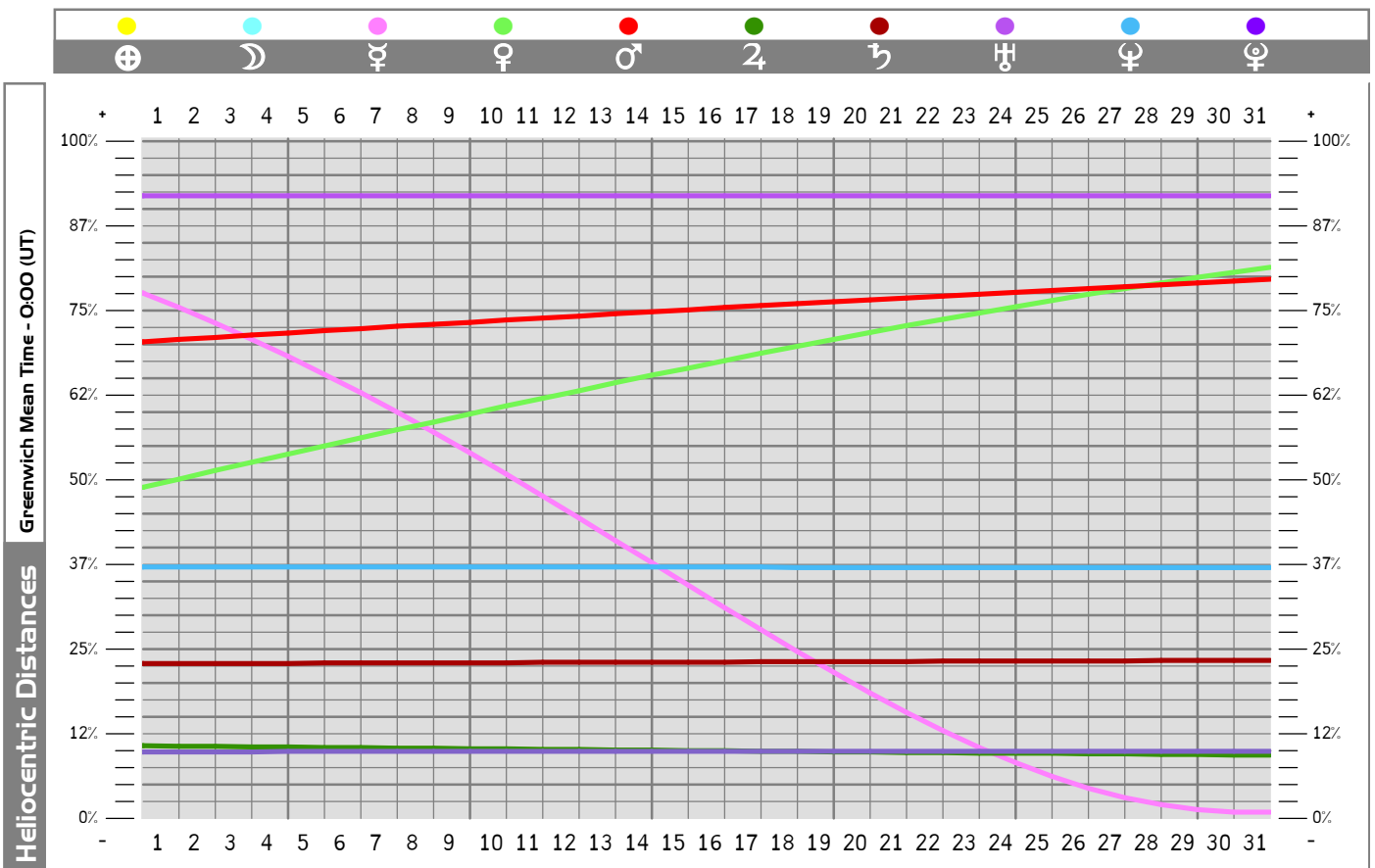
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<b>2</b>		3 43'02	2 12'05	0 44'12	2 31'18	0 58'16	2 09'14	0 45'59	0 25'08	5 09'30
<b>3</b>		2 42'00	2 14'32	0 42'02	2 33'35	0 58'10	2 09'28	0 45'56	0 25'08	5 09'20
<b>4</b>		1 29'35	2 16'36	0 39'49	2 35'53	0 58'05	2 09'43	0 45'54	0 25'08	5 09'11
<b>5</b>		0 10'55	2 18'16	0 37'36	2 38'12	0 57'59	2 09'58	0 45'51	0 25'08	5 09'02
<b>6</b>		1S08'15	2 19'31	0 35'20	2 40'32	0 57'54	2 10'13	0 45'49	0 25'08	5 08'53
<b>7</b>		2 22'19	2 20'18	0 33'04	2 42'53	0 57'49	2 10'28	0 45'46	0 25'07	5 08'44
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<b>10</b>		4 52'03	2 19'41	0 26'07	2 50'05	0 57'33	2 11'14	0 45'39	0 25'07	5 08'19
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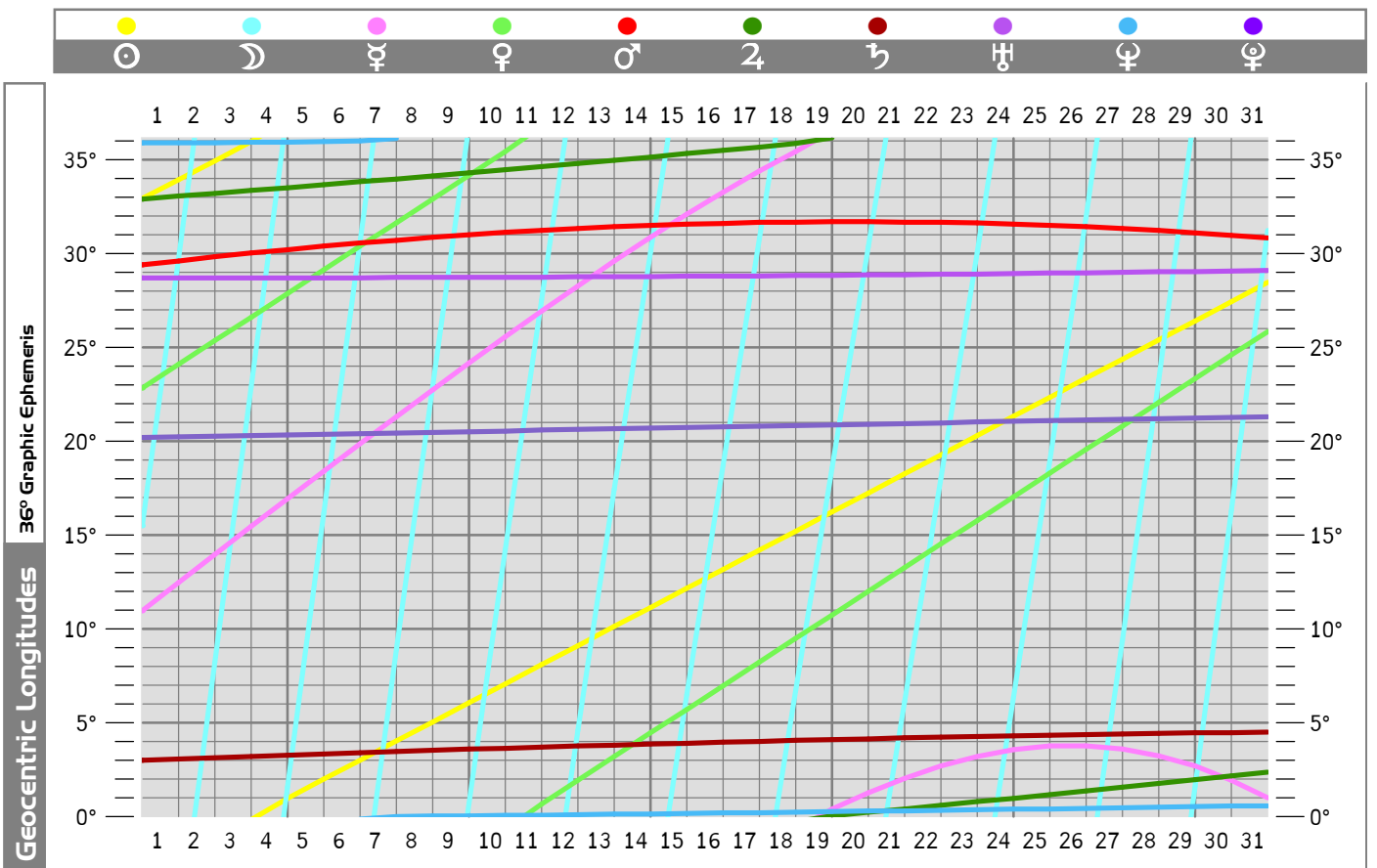
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<b>6</b>	1 00:53	14 32:52	1 28:01	1 15:27	0 10:24	0 09:21	0 03:58	0 00:13	0 01:03	0 02:05	
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<b>9</b>	1 00:57	13 53:52	1 25:33	1 15:29	0 08:27	0 09:43	0 03:41	0 00:22	0 01:08	0 02:07	
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<b>28</b>	1 01:07	13 39:43	0 15:59	1 15:30	0 05:59	0 11:47	0 01:48	0 01:19	0 01:40	0 02:11	
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<b>30</b>	1 01:08	14 31:17	0 39:37	1 15:30	0 07:38	0 11:58	0 01:36	0 01:25	0 01:43	0 02:11	
<b>31</b>	1 01:08	14 50:28	0 50:49	1 15:30	0 08:27	0 12:03	0 01:29	0 01:28	0 01:44	0 02:10	



	☉	☾	♊	♋	♌	♍	♎	♏	♐	♑
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<b>2</b>	0.9859	0.9883	0.4380	0.7237	1.5994	5.1070	9.4660	20.9720	30.2530	31.7473
<b>3</b>	0.9857	0.9881	0.4340	0.7238	1.6005	5.1040	9.4663	20.9720	30.2520	31.7478
<b>4</b>	0.9856	0.9878	0.4298	0.7240	1.6015	5.1020	9.4666	20.9720	30.2520	31.7483
<b>5</b>	0.9854	0.9874	0.4254	0.7241	1.6026	5.0099	9.4669	20.9720	30.2520	31.7489
<b>6</b>	0.9853	0.9869	0.4207	0.7242	1.6036	5.0097	9.4672	20.9720	30.2520	31.7494
<b>7</b>	0.9852	0.9863	0.4159	0.7244	1.6046	5.0094	9.4675	20.9720	30.2510	31.7499
<b>8</b>	0.9850	0.9856	0.4109	0.7245	1.6056	5.0092	9.4678	20.9710	30.2510	31.7504
<b>9</b>	0.9849	0.9849	0.4057	0.7246	1.6066	5.0089	9.4681	20.9710	30.2510	31.7509
<b>10</b>	0.9848	0.9843	0.4003	0.7248	1.6076	5.0087	9.4684	20.9710	30.2510	31.7515
<b>11</b>	0.9847	0.9836	0.3948	0.7249	1.6086	5.0084	9.4687	20.9710	30.2500	31.7520
<b>12</b>	0.9846	0.9830	0.3892	0.7250	1.6096	5.0082	9.4690	20.9710	30.2500	31.7525
<b>13</b>	0.9845	0.9825	0.3835	0.7251	1.6106	5.0079	9.4693	20.9710	30.2500	31.7530
<b>14</b>	0.9844	0.9821	0.3778	0.7253	1.6116	5.0077	9.4696	20.9710	30.2490	31.7535
<b>15</b>	0.9843	0.9818	0.3720	0.7254	1.6125	5.0074	9.4699	20.9710	30.2490	31.7540
<b>16</b>	0.9842	0.9815	0.3662	0.7255	1.6135	5.0072	9.4702	20.9710	30.2490	31.7546
<b>17</b>	0.9841	0.9814	0.3604	0.7256	1.6144	5.0069	9.4705	20.9700	30.2490	31.7551
<b>18</b>	0.9840	0.9814	0.3547	0.7258	1.6154	5.0067	9.4708	20.9700	30.2480	31.7556
<b>19</b>	0.9839	0.9815	0.3491	0.7259	1.6163	5.0065	9.4711	20.9700	30.2480	31.7561
<b>20</b>	0.9838	0.9817	0.3436	0.7260	1.6172	5.0062	9.4714	20.9700	30.2480	31.7566
<b>21</b>	0.9838	0.9820	0.3384	0.7261	1.6181	5.0060	9.4717	20.9700	30.2480	31.7572
<b>22</b>	0.9837	0.9823	0.3333	0.7262	1.6191	5.0057	9.4720	20.9700	30.2470	31.7577
<b>23</b>	0.9836	0.9827	0.3286	0.7263	1.6200	5.0055	9.4723	20.9700	30.2470	31.7582
<b>24</b>	0.9836	0.9832	0.3243	0.7264	1.6209	5.0052	9.4726	20.9700	30.2470	31.7587
<b>25</b>	0.9835	0.9836	0.3203	0.7265	1.6217	5.0050	9.4729	20.9690	30.2460	31.7592
<b>26</b>	0.9834	0.9841	0.3168	0.7266	1.6226	5.0048	9.4733	20.9690	30.2460	31.7597
<b>27</b>	0.9834	0.9845	0.3138	0.7267	1.6235	5.0045	9.4736	20.9690	30.2460	31.7603
<b>28</b>	0.9834	0.9849	0.3113	0.7268	1.6244	5.0043	9.4739	20.9690	30.2460	31.7608
<b>29</b>	0.9833	0.9853	0.3094	0.7269	1.6252	5.0040	9.4742	20.9690	30.2450	31.7613
<b>30</b>	0.9833	0.9855	0.3082	0.7270	1.6261	5.0038	9.4745	20.9690	30.2450	31.7618
<b>31</b>	0.9833	0.9856	0.3075	0.7271	1.6269	5.0036	9.4748	20.9690	30.2450	31.7623

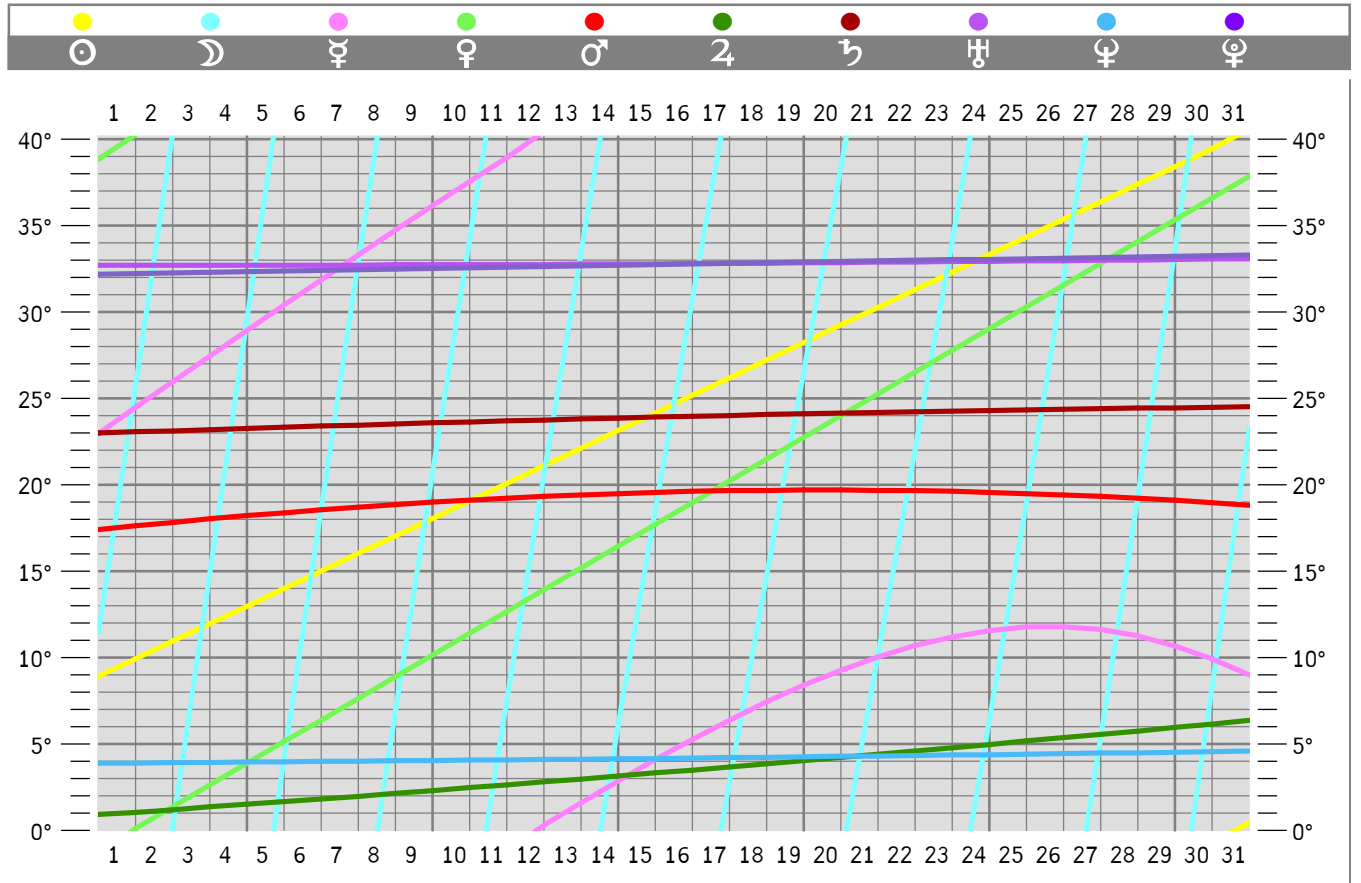


	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒
<b>1</b>	32°55'16"	15°29'54"	5°15'33"	10°57'49"	22°50'41"	29°23'40"	32°54'34"	2°59'05"	28°42'17"	35°53'09"	20°12'06"
<b>2</b>	33°56'04"	29°44'20"	5°12'22"	12°27'56"	24°06'06"	29°36'44"	33°03'19"	3°03'26"	28°42'16"	35°54'03"	20°14'08"
<b>3</b>	34°56'52"	8°14'17"	5°09'12"	13°57'41"	25°21'32"	29°49'14"	33°12'12"	3°07'42"	28°42'18"	35°54'59"	20°16'12"
<b>4</b>	35°57'42"	22°53'12"	5°06'01"	15°27'01"	26°36'58"	30°01'09"	33°21'12"	3°11'53"	28°42'23"	35°55'57"	20°18'16"
<b>5</b>	0°58'34"	1°34'09"	5°02'50"	16°55'54"	27°52'25"	30°12'28"	33°30'21"	3°15'58"	28°42'31"	35°56'57"	20°20'20"
<b>6</b>	1°59'26"	16°10'53"	4°59'40"	18°24'13"	29°07'52"	30°23'10"	33°39'38"	3°19'59"	28°42'43"	35°57'59"	20°22'26"
<b>7</b>	3°00'20"	30°38'32"	4°56'29"	19°51'54"	30°23'20"	30°33'15"	33°49'02"	3°23'53"	28°42'57"	35°59'03"	20°24'31"
<b>8</b>	4°01'15"	8°53'50"	4°53'19"	21°18'49"	31°38'48"	30°42'41"	33°58'34"	3°27'43"	28°43'14"	0°00'08"	20°26'38"
<b>9</b>	5°02'11"	22°55'02"	4°50'08"	22°44'52"	32°54'17"	30°51'28"	34°08'14"	3°31'27"	28°43'34"	0°01'15"	20°28'44"
<b>10</b>	6°03'08"	0°41'32"	4°46'57"	24°09'52"	34°09'46"	30°59'36"	34°18'01"	3°35'06"	28°43'58"	0°02'25"	20°30'51"
<b>11</b>	7°04'07"	14°13'26"	4°43'47"	25°33'40"	35°25'15"	31°07'02"	34°27'56"	3°38'39"	28°44'24"	0°03'36"	20°32'59"
<b>12</b>	8°05'07"	27°31'12"	4°40'36"	26°56'02"	0°40'45"	31°13'47"	34°37'58"	3°42'06"	28°44'54"	0°04'48"	20°35'07"
<b>13</b>	9°06'08"	4°35'18"	4°37'25"	28°16'43"	1°56'15"	31°19'50"	34°48'07"	3°45'28"	28°45'26"	0°06'03"	20°37'16"
<b>14</b>	10°07'10"	17°26'12"	4°34'15"	29°35'27"	3°11'46"	31°25'10"	34°58'24"	3°48'44"	28°46'02"	0°07'19"	20°39'25"
<b>15</b>	11°08'12"	30°04'20"	4°31'04"	30°51'53"	4°27'17"	31°29'47"	35°08'47"	3°51'54"	28°46'41"	0°08'38"	20°41'34"
<b>16</b>	12°09'16"	6°30'14"	4°27'54"	32°05'38"	5°42'48"	31°33'39"	35°19'18"	3°54'59"	28°47'23"	0°09'58"	20°43'44"
<b>17</b>	13°10'21"	18°44'41"	4°24'43"	33°16'16"	6°58'19"	31°36'47"	35°29'55"	3°57'58"	28°48'09"	0°11'19"	20°45'53"
<b>18</b>	14°11'26"	30°48'55"	4°21'32"	34°23'16"	8°13'50"	31°39'09"	35°40'39"	4°00'50"	28°48'57"	0°12'43"	20°48'04"
<b>19</b>	15°12'31"	6°44'40"	4°18'22"	35°26'04"	9°29'22"	31°40'46"	35°51'30"	4°03'37"	28°49'48"	0°14'08"	20°50'14"
<b>20</b>	16°13'37"	18°34'25"	4°15'11"	0°24'01"	10°44'53"	<b>31°41'35</b>	0°02'27"	4°06'18"	28°50'42"	0°15'35"	20°52'24"
<b>21</b>	17°14'44"	30°21'13"	4°12'00"	1°16'25"	12°00'24"	<b>31°41'38</b>	0°13'30"	4°08'53"	28°51'40"	0°17'03"	20°54'35"
<b>22</b>	18°15'50"	6°08'50"	4°08'50"	2°02'27"	13°15'55"	<b>31°40'54</b>	0°24'39"	4°11'21"	28°52'40"	0°18'33"	20°56'46"
<b>23</b>	19°16'57"	18°01'33"	4°05'39"	2°41'18"	14°31'27"	<b>31°39'21</b>	0°35'55"	4°13'43"	28°53'43"	0°20'04"	20°58'56"
<b>24</b>	20°18'04"	30°04'04"	4°02'29"	3°12'03"	15°46'57"	<b>31°37'01</b>	0°47'16"	4°15'59"	28°54'49"	0°21'37"	21°01'07"
<b>25</b>	21°19'12"	6°21'11"	3°59'18"	3°33'48"	17°02'28"	<b>31°33'52</b>	0°58'44"	4°18'09"	28°55'58"	0°23'12"	21°03'18"
<b>26</b>	22°20'19"	18°57'38"	3°56'07"	<b>3°45'41</b>	18°17'59"	<b>31°29'55</b>	1°10'17"	4°20'13"	28°57'10"	0°24'48"	21°05'29"
<b>27</b>	23°21'26"	31°57'27"	3°52'57"	<b>3°46'52</b>	19°33'29"	<b>31°25'08</b>	1°21'56"	4°22'10"	28°58'25"	0°26'25"	21°07'39"
<b>28</b>	24°22'34"	9°23'30"	3°49'46"	<b>3°36'43</b>	20°48'59"	<b>31°19'33</b>	1°33'40"	4°24'02"	28°59'43"	0°28'04"	21°09'50"
<b>29</b>	25°23'41"	23°16'53"	3°46'35"	<b>3°14'48</b>	22°04'30"	<b>31°13'09</b>	1°45'30"	4°25'47"	29°01'04"	0°29'45"	21°12'01"
<b>30</b>	26°24'49"	1°36'16"	3°43'25"	<b>2°41'03</b>	23°20'00"	<b>31°05'56</b>	1°57'26"	4°27'25"	29°02'28"	0°31'27"	21°14'11"
<b>31</b>	27°25'56"	16°17'42"	3°40'14"	<b>1°55'45</b>	24°35'30"	<b>30°57'54</b>	2°09'26"	4°28'58"	29°03'55"	0°33'11"	21°16'22"



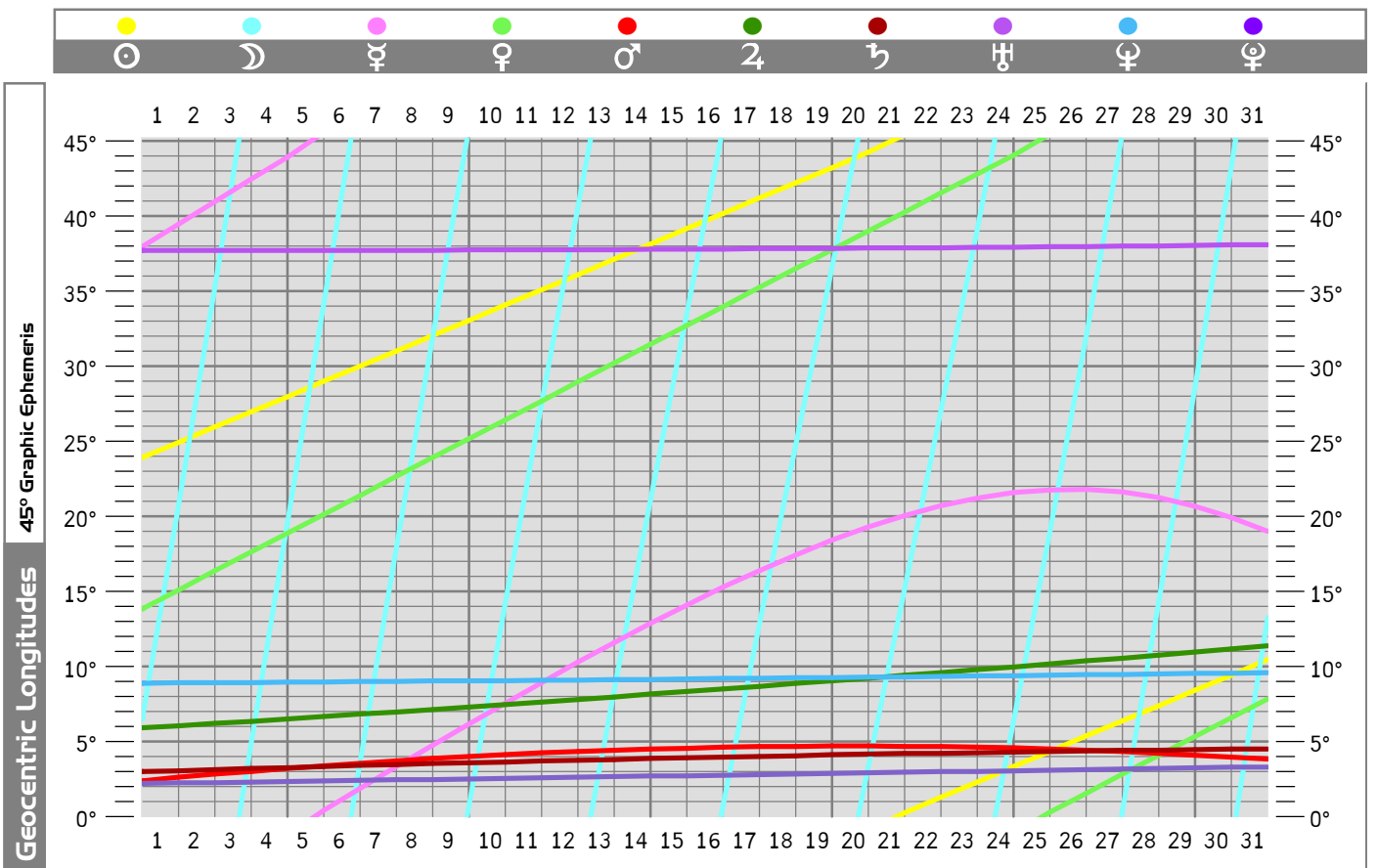
	☉	☾	♊	♋	♌	♍	♎	♏	♐	♑	♒
<b>1</b>	8°55'16"	11°29'54"	13°15'33"	22°57'49"	38°50'41"	17°23'40"	0°54'34"	22°59'05"	32°42'17"	3°53'09"	32°12'06"
<b>2</b>	9°56'04"	25°44'20"	13°12'22"	24°27'56"	0°06'06"	17°36'44"	1°03'19"	23°03'26"	32°42'16"	3°54'03"	32°14'08"
<b>3</b>	10°56'52"	0°14'17"	13°09'12"	25°57'41"	1°21'32"	17°49'14"	1°12'12"	23°07'42"	32°42'18"	3°54'59"	32°16'12"
<b>4</b>	11°57'42"	14°53'12"	13°06'01"	27°27'01"	2°36'58"	18°01'09"	1°21'12"	23°11'53"	32°42'23"	3°55'57"	32°18'16"
<b>5</b>	12°58'34"	29°34'09"	13°02'50"	28°55'54"	3°52'25"	18°12'28"	1°30'21"	23°15'58"	32°42'31"	3°56'57"	32°20'20"
<b>6</b>	13°59'26"	4°10'53"	12°59'40"	30°24'13"	5°07'52"	18°23'10"	1°39'38"	23°19'59"	32°42'43"	3°57'59"	32°22'26"
<b>7</b>	15°00'20"	18°38'32"	12°56'29"	31°51'54"	6°23'20"	18°33'15"	1°49'02"	23°23'53"	32°42'57"	3°59'03"	32°24'31"
<b>8</b>	16°01'15"	32°53'50"	12°53'19"	33°18'49"	7°38'48"	18°42'41"	1°58'34"	23°27'43"	32°43'14"	4°00'08"	32°26'38"
<b>9</b>	17°02'11"	6°55'02"	12°50'08"	34°44'52"	8°54'17"	18°51'28"	2°08'14"	23°31'27"	32°43'34"	4°01'15"	32°28'44"
<b>10</b>	18°03'08"	20°41'32"	12°46'57"	36°09'52"	10°09'46"	18°59'36"	2°18'01"	23°35'06"	32°43'58"	4°02'25"	32°30'51"
<b>11</b>	19°04'07"	34°13'26"	12°43'47"	37°33'40"	11°25'15"	19°07'02"	2°27'56"	23°38'39"	32°44'24"	4°03'36"	32°32'59"
<b>12</b>	20°05'07"	7°31'12"	12°40'36"	38°56'02"	12°40'45"	19°13'47"	2°37'58"	23°42'06"	32°44'54"	4°04'48"	32°35'07"
<b>13</b>	21°06'08"	20°35'18"	12°37'25"	0°16'43"	13°56'15"	19°19'50"	2°48'07"	23°45'28"	32°45'26"	4°06'03"	32°37'16"
<b>14</b>	22°07'10"	33°26'12"	12°34'15"	1°35'27"	15°11'46"	19°25'10"	2°58'24"	23°48'44"	32°46'02"	4°07'19"	32°39'25"
<b>15</b>	23°08'12"	6°04'20"	12°31'04"	2°51'53"	16°27'17"	19°29'47"	3°08'47"	23°51'54"	32°46'41"	4°08'38"	32°41'34"
<b>16</b>	24°09'16"	18°30'14"	12°27'54"	4°05'38"	17°42'48"	19°33'39"	3°19'18"	23°54'59"	32°47'23"	4°09'58"	32°43'44"
<b>17</b>	25°10'21"	30°44'41"	12°24'43"	5°16'16"	18°58'19"	19°36'47"	3°29'55"	23°57'58"	32°48'09"	4°11'19"	32°45'53"
<b>18</b>	26°11'26"	2°48'55"	12°21'32"	6°23'16"	20°13'50"	19°39'09"	3°40'39"	24°00'50"	32°48'57"	4°12'43"	32°48'04"
<b>19</b>	27°12'31"	14°44'40"	12°18'22"	7°26'04"	21°29'22"	19°40'46"	3°51'30"	24°03'37"	32°49'48"	4°14'08"	32°50'14"
<b>20</b>	28°13'37"	26°34'25"	12°15'11"	8°24'01"	22°44'53"	<b>19°41'35</b>	4°02'27"	24°06'18"	32°50'42"	4°15'35"	32°52'24"
<b>21</b>	29°14'44"	38°21'13"	12°12'00"	9°16'25"	24°00'24"	<b>19°41'38</b>	4°13'30"	24°08'53"	32°51'40"	4°17'03"	32°54'35"
<b>22</b>	30°15'50"	10°08'50"	12°08'50"	10°02'27"	25°15'55"	<b>19°40'54</b>	4°24'39"	24°11'21"	32°52'40"	4°18'33"	32°56'46"
<b>23</b>	31°16'57"	22°01'33"	12°05'39"	10°41'18"	26°31'27"	<b>19°39'21</b>	4°35'55"	24°13'43"	32°53'43"	4°20'04"	32°58'56"
<b>24</b>	32°18'04"	34°04'04"	12°02'29"	11°12'03"	27°46'57"	<b>19°37'01</b>	4°47'16"	24°15'59"	32°54'49"	4°21'37"	33°01'07"
<b>25</b>	33°19'12"	6°21'11"	11°59'18"	11°33'48"	29°02'28"	<b>19°33'52</b>	4°58'44"	24°18'09"	32°55'58"	4°23'12"	33°03'18"
<b>26</b>	34°20'19"	18°57'38"	11°56'07"	<b>11°45'41</b>	30°17'59"	<b>19°29'55</b>	5°10'17"	24°20'13"	32°57'10"	4°24'48"	33°05'29"
<b>27</b>	35°21'26"	31°57'27"	11°52'57"	<b>11°46'52</b>	31°33'29"	<b>19°25'08</b>	5°21'56"	24°22'10"	32°58'25"	4°26'25"	33°07'39"
<b>28</b>	36°22'34"	5°23'30"	11°49'46"	<b>11°36'43</b>	32°48'59"	<b>19°19'33</b>	5°33'40"	24°24'02"	32°59'43"	4°28'04"	33°09'50"
<b>29</b>	37°23'41"	19°16'53"	11°46'35"	<b>11°14'48</b>	34°04'30"	<b>19°13'09</b>	5°45'30"	24°25'47"	33°01'04"	4°29'45"	33°12'01"
<b>30</b>	38°24'49"	33°36'16"	11°43'25"	<b>10°41'03</b>	35°20'00"	<b>19°05'56</b>	5°57'26"	24°27'25"	33°02'28"	4°31'27"	33°14'11"
<b>31</b>	39°25'56"	8°17'42"	11°40'14"	<b>9°55'45</b>	36°35'30"	<b>18°57'54</b>	6°09'26"	24°28'58"	33°03'55"	4°33'11"	33°16'22"

**Geocentric Longitudes** 9th Harmonic

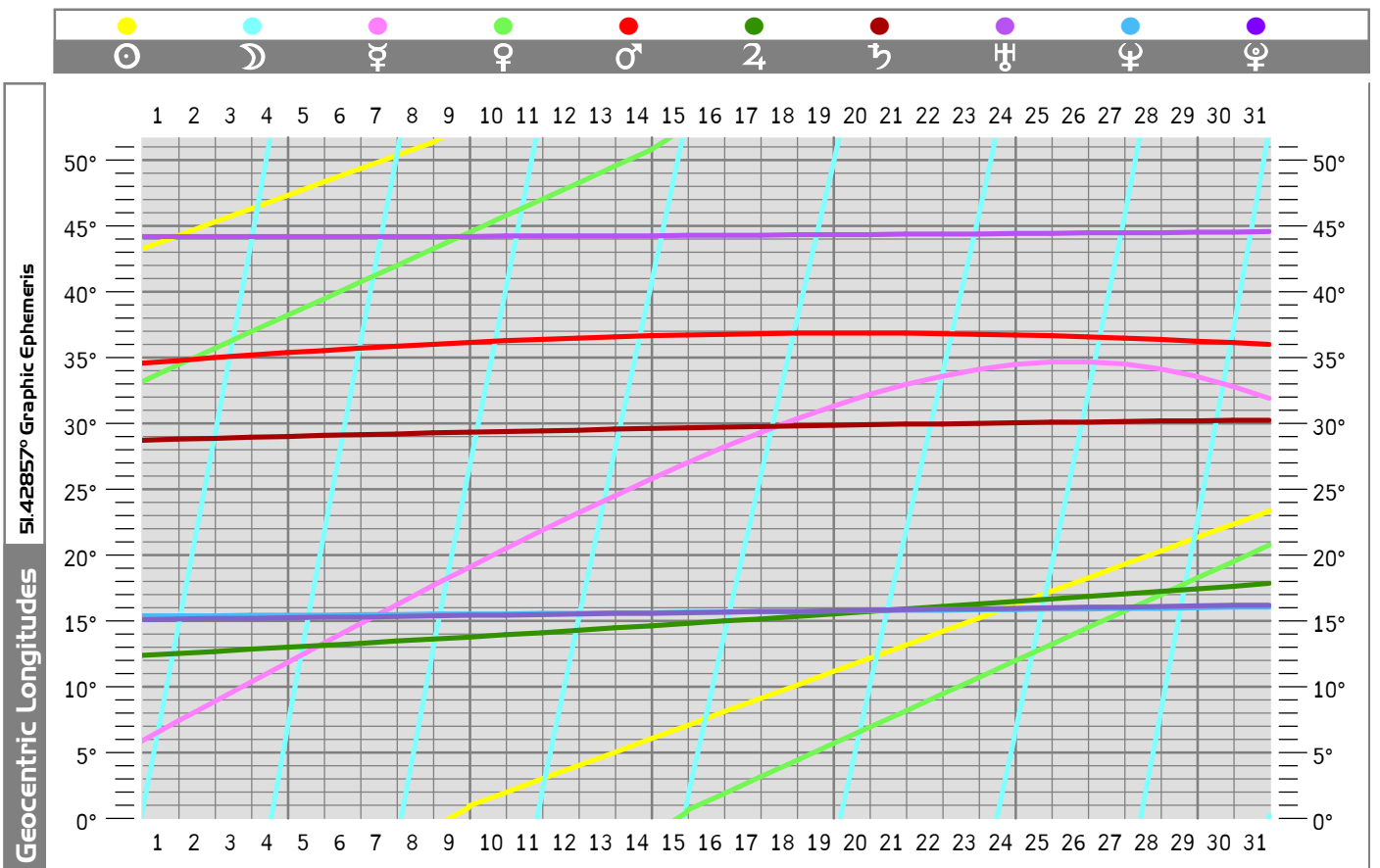


**Geocentric Longitudes** 40° Graphic Ephemeris

	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒
<b>1</b>	23°55'16"	6°29'54"	23°15'33"	37°57'49"	13°50'41"	2°23'40"	5°54'34"	2°59'05"	37°42'17"	8°53'09"	2°12'06"
<b>2</b>	24°56'04"	20°44'20"	23°12'22"	39°27'56"	15°06'06"	2°36'44"	6°03'19"	3°03'26"	37°42'16"	8°54'03"	2°14'08"
<b>3</b>	25°56'52"	35°14'17"	23°09'12"	40°57'41"	16°21'32"	2°49'14"	6°12'12"	3°07'42"	37°42'18"	8°54'59"	2°16'12"
<b>4</b>	26°57'42"	4°53'12"	23°06'01"	42°27'01"	17°36'58"	3°01'09"	6°21'12"	3°11'53"	37°42'23"	8°55'57"	2°18'16"
<b>5</b>	27°58'34"	19°34'09"	23°02'50"	43°55'54"	18°52'25"	3°12'28"	6°30'21"	3°15'58"	37°42'31"	8°56'57"	2°20'20"
<b>6</b>	28°59'26"	34°10'53"	22°59'40"	0°24'13"	20°07'52"	3°23'10"	6°39'38"	3°19'59"	37°42'43"	8°57'59"	2°22'26"
<b>7</b>	30°00'20"	3°38'32"	22°56'29"	1°51'54"	21°23'20"	3°33'15"	6°49'02"	3°23'53"	37°42'57"	8°59'03"	2°24'31"
<b>8</b>	31°01'15"	17°53'50"	22°53'19"	3°18'49"	22°38'48"	3°42'41"	6°58'34"	3°27'43"	37°43'14"	9°00'08"	2°26'38"
<b>9</b>	32°02'11"	31°55'02"	22°50'08"	4°44'52"	23°54'17"	3°51'28"	7°08'14"	3°31'27"	37°43'34"	9°01'15"	2°28'44"
<b>10</b>	33°03'08"	0°41'32"	22°46'57"	6°09'52"	25°09'46"	3°59'36"	7°18'01"	3°35'06"	37°43'58"	9°02'25"	2°30'51"
<b>11</b>	34°04'07"	14°13'26"	22°43'47"	7°33'40"	26°25'15"	4°07'02"	7°27'56"	3°38'39"	37°44'24"	9°03'36"	2°32'59"
<b>12</b>	35°05'07"	27°31'12"	22°40'36"	8°56'02"	27°40'45"	4°13'47"	7°37'58"	3°42'06"	37°44'54"	9°04'48"	2°35'07"
<b>13</b>	36°06'08"	40°35'18"	22°37'25"	10°16'43"	28°56'15"	4°19'50"	7°48'07"	3°45'28"	37°45'26"	9°06'03"	2°37'16"
<b>14</b>	37°07'10"	8°26'12"	22°34'15"	11°35'27"	30°11'46"	4°25'10"	7°58'24"	3°48'44"	37°46'02"	9°07'19"	2°39'25"
<b>15</b>	38°08'12"	21°04'20"	22°31'04"	12°51'53"	31°27'17"	4°29'47"	8°08'47"	3°51'54"	37°46'41"	9°08'38"	2°41'34"
<b>16</b>	39°09'16"	33°30'14"	22°27'54"	14°05'38"	32°42'48"	4°33'39"	8°19'18"	3°54'59"	37°47'23"	9°09'58"	2°43'44"
<b>17</b>	40°10'21"	0°44'41"	22°24'43"	15°16'16"	33°58'19"	4°36'47"	8°29'55"	3°57'58"	37°48'09"	9°11'19"	2°45'53"
<b>18</b>	41°11'26"	12°48'55"	22°21'32"	16°23'16"	35°13'50"	4°39'09"	8°40'39"	4°00'50"	37°48'57"	9°12'43"	2°48'04"
<b>19</b>	42°12'31"	24°44'40"	22°18'22"	17°26'04"	36°29'22"	4°40'46"	8°51'30"	4°03'37"	37°49'48"	9°14'08"	2°50'14"
<b>20</b>	43°13'37"	36°34'25"	22°15'11"	18°24'01"	37°44'53"	<b>4°41'35</b>	9°02'27"	4°06'18"	37°50'42"	9°15'35"	2°52'24"
<b>21</b>	44°14'44"	3°21'13"	22°12'00"	19°16'25"	39°00'24"	<b>4°41'38</b>	9°13'30"	4°08'53"	37°51'40"	9°17'03"	2°54'35"
<b>22</b>	0°15'50"	15°08'50"	22°08'50"	20°02'27"	40°15'55"	<b>4°40'54</b>	9°24'39"	4°11'21"	37°52'40"	9°18'33"	2°56'46"
<b>23</b>	1°16'57"	27°01'33"	22°05'39"	20°41'18"	41°31'27"	<b>4°39'21</b>	9°35'55"	4°13'43"	37°53'43"	9°20'04"	2°58'56"
<b>24</b>	2°18'04"	39°04'04"	22°02'29"	21°12'03"	42°46'57"	<b>4°37'01</b>	9°47'16"	4°15'59"	37°54'49"	9°21'37"	3°01'07"
<b>25</b>	3°19'12"	6°21'11"	21°59'18"	21°33'48"	44°02'28"	<b>4°33'52</b>	9°58'44"	4°18'09"	37°55'58"	9°23'12"	3°03'18"
<b>26</b>	4°20'19"	18°57'38"	21°56'07"	<b>21°45'41</b>	0°17'59"	<b>4°29'55</b>	10°10'17"	4°20'13"	37°57'10"	9°24'48"	3°05'29"
<b>27</b>	5°21'26"	31°57'27"	21°52'57"	<b>21°46'52</b>	1°33'29"	<b>4°25'08</b>	10°21'56"	4°22'10"	37°58'25"	9°26'25"	3°07'39"
<b>28</b>	6°22'34"	0°23'30"	21°49'46"	<b>21°36'43</b>	2°48'59"	<b>4°19'33</b>	10°33'40"	4°24'02"	37°59'43"	9°28'04"	3°09'50"
<b>29</b>	7°23'41"	14°16'53"	21°46'35"	<b>21°14'48</b>	4°04'30"	<b>4°13'09</b>	10°45'30"	4°25'47"	38°01'04"	9°29'45"	3°12'01"
<b>30</b>	8°24'49"	28°36'16"	21°43'25"	<b>20°41'03</b>	5°20'00"	<b>4°05'56</b>	10°57'26"	4°27'25"	38°02'28"	9°31'27"	3°14'11"
<b>31</b>	9°25'56"	43°17'42"	21°40'14"	<b>19°55'45</b>	6°35'30"	<b>3°57'54</b>	11°09'26"	4°28'58"	38°03'55"	9°33'11"	3°16'22"



	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒
<b>1</b>	43°12'24"	0°04'11"	36°06'59"	5°49'15"	33°07'49"	34°32'14"	12°20'17"	28°41'57"	44°08'00"	15°18'52"	15°03'31"
<b>2</b>	44°13'12"	14°18'37"	36°03'48"	7°19'21"	34°23'14"	34°45'19"	12°29'02"	28°46'18"	44°07'59"	15°19'46"	15°05'34"
<b>3</b>	45°14'01"	28°48'35"	36°00'37"	8°49'07"	35°38'40"	34°57'49"	12°37'54"	28°50'34"	44°08'01"	15°20'42"	15°07'37"
<b>4</b>	46°14'51"	43°27'29"	35°57'27"	10°18'27"	36°54'07"	35°09'44"	12°46'55"	28°54'44"	44°08'06"	15°21'40"	15°09'42"
<b>5</b>	47°15'42"	6°42'43"	35°54'16"	11°47'19"	38°09'33"	35°21'02"	12°56'04"	28°58'50"	44°08'14"	15°22'40"	15°11'46"
<b>6</b>	48°16'35"	21°19'27"	35°51'06"	13°15'39"	39°25'01"	35°31'45"	13°05'21"	29°02'50"	44°08'26"	15°23'42"	15°13'51"
<b>7</b>	49°17'28"	35°47'06"	35°47'55"	14°43'19"	40°40'28"	35°41'49"	13°14'45"	29°06'45"	44°08'40"	15°24'46"	15°15'57"
<b>8</b>	50°18'23"	50°02'24"	35°44'44"	16°10'15"	41°55'57"	35°51'16"	13°24'17"	29°10'34"	44°08'57"	15°25'51"	15°18'03"
<b>9</b>	51°19'19"	12°37'53"	35°41'34"	17°36'17"	43°11'25"	36°00'03"	13°33'57"	29°14'18"	44°09'17"	15°26'58"	15°20'10"
<b>10</b>	0°54'34"	26°24'23"	35°38'23"	19°01'18"	44°26'54"	36°08'10"	13°43'44"	29°17'57"	44°09'41"	15°28'07"	15°22'17"
<b>11</b>	1°55'33"	39°56'18"	35°35'12"	20°25'05"	45°42'24"	36°15'36"	13°53'39"	29°21'30"	44°10'07"	15°29'18"	15°24'25"
<b>12</b>	2°56'32"	1°48'20"	35°32'02"	21°47'07"	46°57'54"	36°22'22"	14°03'41"	29°24'57"	44°10'37"	15°30'31"	15°26'33"
<b>13</b>	3°57'33"	14°52'26"	35°28'51"	23°08'09"	48°13'24"	36°28'25"	14°13'50"	29°28'19"	44°11'09"	15°31'46"	15°28'41"
<b>14</b>	4°58'35"	27°43'20"	35°25'41"	24°26'53"	49°28'54"	36°33'45"	14°24'07"	29°31'35"	44°11'45"	15°33'02"	15°30'50"
<b>15</b>	5°59'38"	40°21'29"	35°22'30"	25°43'19"	50°44'25"	36°38'21"	14°34'30"	29°34'46"	44°12'24"	15°34'21"	15°32'59"
<b>16</b>	7°00'42"	1°21'40"	35°19'19"	26°57'04"	0°34'14"	36°42'14"	14°45'01"	29°37'50"	44°13'06"	15°35'41"	15°35'09"
<b>17</b>	8°01'46"	13°36'07"	35°16'09"	28°07'42"	1°49'45"	36°45'21"	14°55'38"	29°40'49"	44°13'51"	15°37'02"	15°37'19"
<b>18</b>	9°02'51"	25°40'20"	35°12'58"	29°14'42"	3°05'16"	36°47'44"	15°06'22"	29°43'42"	44°14'40"	15°38'26"	15°39'29"
<b>19</b>	10°03'57"	37°36'06"	35°09'47"	30°17'30"	4°20'47"	36°49'20"	15°17'13"	29°46'29"	44°15'31"	15°39'51"	15°41'40"
<b>20</b>	11°05'03"	49°25'50"	35°06'37"	31°15'27"	5°36'19"	<b>36°50'10</b>	15°28'10"	29°49'09"	44°16'25"	15°41'17"	15°43'50"
<b>21</b>	12°06'09"	9°46'56"	35°03'26"	32°07'51"	6°51'50"	<b>36°50'12</b>	15°39'13"	29°51'44"	44°17'22"	15°42'46"	15°46'01"
<b>22</b>	13°07'16"	21°34'33"	35°00'16"	32°53'53"	8°07'21"	<b>36°49'28</b>	15°50'22"	29°54'12"	44°18'23"	15°44'16"	15°48'11"
<b>23</b>	14°08'23"	33°27'16"	34°57'05"	33°32'43"	9°22'52"	<b>36°47'56</b>	16°01'38"	29°56'35"	44°19'26"	15°45'47"	15°50'22"
<b>24</b>	15°09'30"	45°29'46"	34°53'54"	34°03'29"	10°38'23"	<b>36°45'35</b>	16°12'59"	29°58'51"	44°20'32"	15°47'20"	15°52'33"
<b>25</b>	16°10'37"	6°21'11"	34°50'44"	34°25'14"	11°53'54"	<b>36°42'26</b>	16°24'27"	30°01'01"	44°21'41"	15°48'55"	15°54'44"
<b>26</b>	17°11'45"	18°57'38"	34°47'33"	<b>34°37'06</b>	13°09'25"	<b>36°38'29</b>	16°35'59"	30°03'04"	44°22'53"	15°50'31"	15°56'54"
<b>27</b>	18°12'52"	31°57'27"	34°44'22"	<b>34°38'18</b>	14°24'55"	<b>36°33'43</b>	16°47'39"	30°05'02"	44°24'08"	15°52'08"	15°59'05"
<b>28</b>	19°13'59"	45°23'30"	34°41'12"	<b>34°28'09</b>	15°40'25"	<b>36°28'08</b>	16°59'23"	30°06'53"	44°25'26"	15°53'47"	16°01'16"
<b>29</b>	20°15'07"	7°51'10"	34°38'01"	<b>34°06'14</b>	16°55'56"	<b>36°21'44</b>	17°11'13"	30°08'38"	44°26'47"	15°55'28"	16°03'26"
<b>30</b>	21°16'15"	22°10'34"	34°34'51"	<b>33°32'28</b>	18°11'26"	<b>36°14'31</b>	17°23'08"	30°10'17"	44°28'11"	15°57'10"	16°05'37"
<b>31</b>	22°17'22"	36°51'59"	34°31'40"	<b>32°47'11</b>	19°26'56"	<b>36°06'28</b>	17°35'09"	30°11'49"	44°29'38"	15°58'54"	16°07'47"



	☉	☾	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
<b>1</b>	32°55'16"	51°29'54"	5°15'33"	46°57'49"	22°50'41"	65°23'40"	32°54'34"	38°59'05"	64°42'17"	35°53'09"	56°12'06"	
<b>2</b>	33°56'04"	65°44'20"	5°12'22"	48°27'56"	24°06'06"	65°36'44"	33°03'19"	39°03'26"	64°42'16"	35°54'03"	56°14'08"	
<b>3</b>	34°56'52"	8°14'17"	5°09'12"	49°57'41"	25°21'32"	65°49'14"	33°12'12"	39°07'42"	64°42'18"	35°54'59"	56°16'12"	
<b>4</b>	35°57'42"	22°53'12"	5°06'01"	51°27'01"	26°36'58"	66°01'09"	33°21'12"	39°11'53"	64°42'23"	35°55'57"	56°18'16"	
<b>5</b>	36°58'34"	37°34'09"	5°02'50"	52°55'54"	27°52'25"	66°12'28"	33°30'21"	39°15'58"	64°42'31"	35°56'57"	56°20'20"	
<b>6</b>	37°59'26"	52°10'53"	4°59'40"	54°24'13"	29°07'52"	66°23'10"	33°39'38"	39°19'59"	64°42'43"	35°57'59"	56°22'26"	
<b>7</b>	39°00'20"	66°38'32"	4°56'29"	55°51'54"	30°23'20"	66°33'15"	33°49'02"	39°23'53"	64°42'57"	35°59'03"	56°24'31"	
<b>8</b>	40°01'15"	8°53'50"	4°53'19"	57°18'49"	31°38'48"	66°42'41"	33°58'34"	39°27'43"	64°43'14"	36°00'08"	56°26'38"	
<b>9</b>	41°02'11"	22°55'02"	4°50'08"	58°44'52"	32°54'17"	66°51'28"	34°08'14"	39°31'27"	64°43'34"	36°01'15"	56°28'44"	
<b>10</b>	42°03'08"	36°41'32"	4°46'57"	60°09'52"	34°09'46"	66°59'36"	34°18'01"	39°35'06"	64°43'58"	36°02'25"	56°30'51"	
<b>11</b>	43°04'07"	50°13'26"	4°43'47"	61°33'40"	35°25'15"	67°07'02"	34°27'56"	39°38'39"	64°44'24"	36°03'36"	56°32'59"	
<b>12</b>	44°05'07"	63°31'12"	4°40'36"	62°56'02"	36°40'45"	67°13'47"	34°37'58"	39°42'06"	64°44'54"	36°04'48"	56°35'07"	
<b>13</b>	45°06'08"	4°35'18"	4°37'25"	64°16'43"	37°56'15"	67°19'50"	34°48'07"	39°45'28"	64°45'26"	36°06'03"	56°37'16"	
<b>14</b>	46°07'10"	17°26'12"	4°34'15"	65°35'27"	39°11'46"	67°25'10"	34°58'24"	39°48'44"	64°46'02"	36°07'19"	56°39'25"	
<b>15</b>	47°08'12"	30°04'20"	4°31'04"	66°51'53"	40°27'17"	67°29'47"	35°08'47"	39°51'54"	64°46'41"	36°08'38"	56°41'34"	
<b>16</b>	48°09'16"	42°30'14"	4°27'54"	68°05'38"	41°42'48"	67°33'39"	35°19'18"	39°54'59"	64°47'23"	36°09'58"	56°43'44"	
<b>17</b>	49°10'21"	54°44'41"	4°24'43"	69°16'16"	42°58'19"	67°36'47"	35°29'55"	39°57'58"	64°48'09"	36°11'19"	56°45'53"	
<b>18</b>	50°11'26"	66°48'55"	4°21'32"	70°23'16"	44°13'50"	67°39'09"	35°40'39"	40°00'50"	64°48'57"	36°12'43"	56°48'04"	
<b>19</b>	51°12'31"	6°44'40"	4°18'22"	71°26'04"	45°29'22"	67°40'46"	35°51'30"	40°03'37"	64°49'48"	36°14'08"	56°50'14"	
<b>20</b>	52°13'37"	18°34'25"	4°15'11"	0°24'01"	46°44'53"	<b>67°41'35</b>	36°02'27"	40°06'18"	64°50'42"	36°15'35"	56°52'24"	
<b>21</b>	53°14'44"	30°21'13"	4°12'00"	1°16'25"	48°00'24"	<b>67°41'38</b>	36°13'30"	40°08'53"	64°51'40"	36°17'03"	56°54'35"	
<b>22</b>	54°15'50"	42°08'50"	4°08'50"	2°02'27"	49°15'55"	<b>67°40'54</b>	36°24'39"	40°11'21"	64°52'40"	36°18'33"	56°56'46"	
<b>23</b>	55°16'57"	54°01'33"	4°05'39"	2°41'18"	50°31'27"	<b>67°39'21</b>	36°35'55"	40°13'43"	64°53'43"	36°20'04"	56°58'56"	
<b>24</b>	56°18'04"	66°04'04"	4°02'29"	3°12'03"	51°46'57"	<b>67°37'01</b>	36°47'16"	40°15'59"	64°54'49"	36°21'37"	57°01'07"	
<b>25</b>	57°19'12"	6°21'11"	3°59'18"	3°33'48"	53°02'28"	<b>67°33'52</b>	36°58'44"	40°18'09"	64°55'58"	36°23'12"	57°03'18"	
<b>26</b>	58°20'19"	18°57'38"	3°56'07"	<b>3°45'41</b>	54°17'59"	<b>67°29'55</b>	37°10'17"	40°20'13"	64°57'10"	36°24'48"	57°05'29"	
<b>27</b>	59°21'26"	31°57'27"	3°52'57"	<b>3°46'52</b>	55°33'29"	<b>67°25'08</b>	37°21'56"	40°22'10"	64°58'25"	36°26'25"	57°07'39"	
<b>28</b>	60°22'34"	45°23'30"	3°49'46"	<b>3°36'43</b>	56°48'59"	<b>67°19'33</b>	37°33'40"	40°24'02"	64°59'43"	36°28'04"	57°09'50"	
<b>29</b>	61°23'41"	59°16'53"	3°46'35"	<b>3°14'48</b>	58°04'30"	<b>67°13'09</b>	37°45'30"	40°25'47"	65°01'04"	36°29'45"	57°12'01"	
<b>30</b>	62°24'49"	1°36'16"	3°43'25"	<b>2°41'03</b>	59°20'00"	<b>67°05'56</b>	37°57'26"	40°27'25"	65°02'28"	36°31'27"	57°14'11"	
<b>31</b>	63°25'56"	16°17'42"	3°40'14"	<b>1°55'45</b>	60°35'30"	<b>66°57'54</b>	38°09'26"	40°28'58"	65°03'55"	36°33'11"	57°16'22"	

