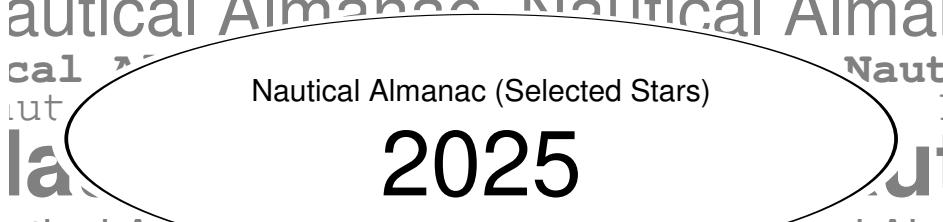


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Nautical Almanac (Selected Stars)

2025

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**Star Maps  
The Nautical Almanac 2025 (Selected Stars)  
Polaris Tables 2025**

Revision V0.6 - Nov 2018

Warning and Terms of Usage:

The following pages have been generated by a computer program. Complex computer programs usually have bugs and may produce wrong data. The data in this Nautical Almanac is believed to be accurate but no warranty is given for its correctness.  
Use this Nautical Almanac only for training and exercising!

Compiled by Erik De Man ([mail2erik@siranah.de](mailto:mail2erik@siranah.de)) on Tue Oct 1 12:26:03 2024

## Introduction

This Nautical Almanac contains the Ephemerides of the "First Point of Aries" and sixty selected stars. It is designed for determination of Position (geographical Latitude and Longitude) from astronomical observations (Altitude of Celestial Objects).

The data compiled in this Nautical Almanac is based on calculations done with the software package "NOVAS" from the U.S. Naval Observatory (<http://aa.usno.navy.mil/AA/software>). The fundamental star data was originally obtained from the "Bright Star Catalogue" (5th revised edition of 1991). However, this data has recently been updated from other star catalogues. The complete star data as used in this Almanac is shown on the next page.

### Values for "deltaT"

For the astrodynamical calculations, the following values for "delta T" (the difference between terrestrial time realized by atomic clocks and UT defined by the irregular rotation of the Earth) have been used:

Jan : 69.1 s	Apr : 69.1 s	Jul : 69.1 s	Oct : 69.1 s
Feb : 69.1 s	May : 69.1 s	Aug : 69.1 s	Nov : 69.1 s
Mar : 69.1 s	Jun : 69.1 s	Sep : 69.1 s	Dec : 69.1 s

### Interpolation of the integral-hour GHA values

This Nautical Almanac uses a slightly different approach for the interpolation of the integral-hour values of Greenwich Hour Angle, compared to the techniques used in most commercially available Almanacs.

For more information please refer to the following web site: "<http://www.siranah.de/>"

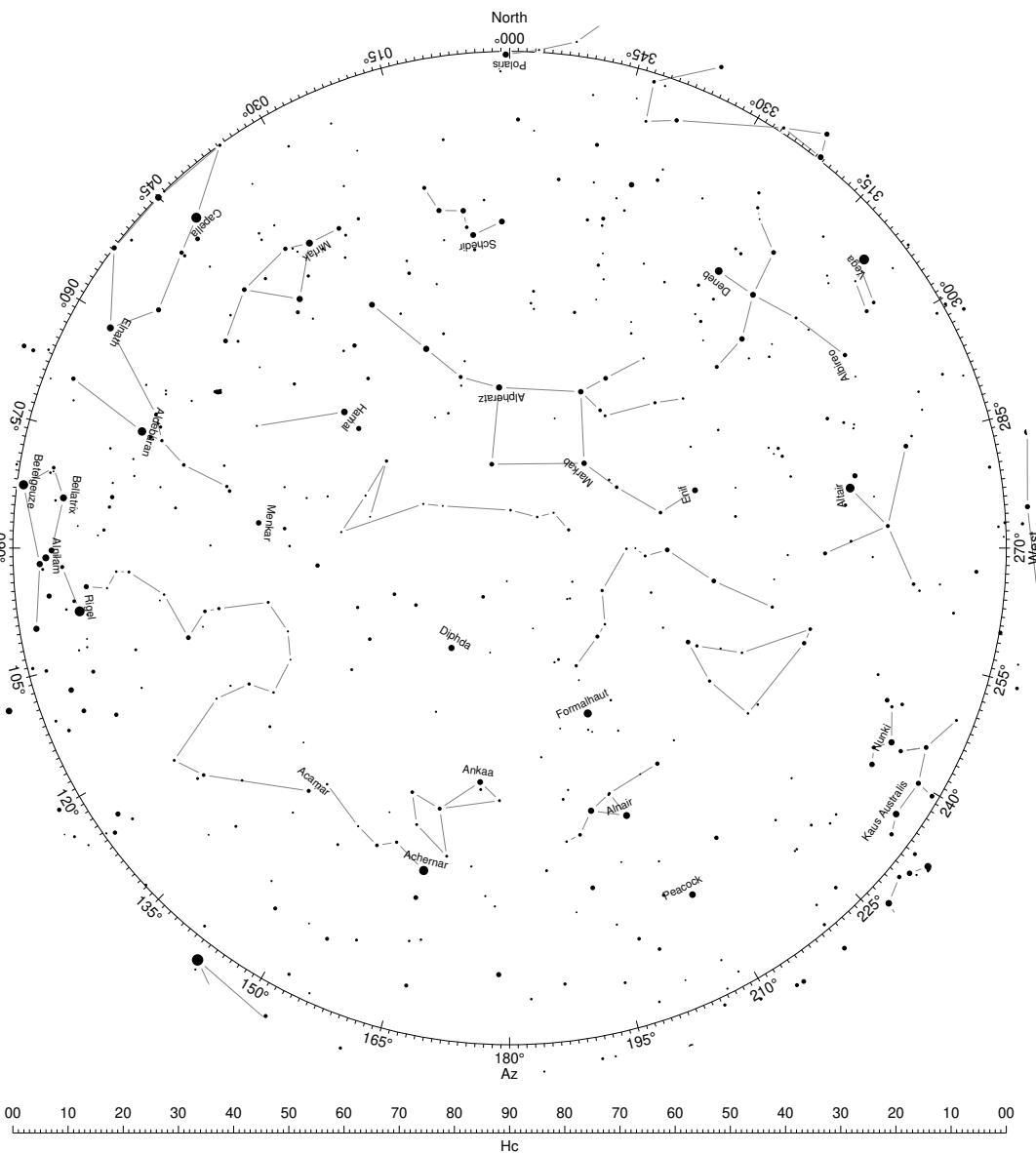
The following table shows the fundamental star data as used in this Almanac. The data refers to Equinox J2000 / Epoch J2000.0.

Star Name	RA	Dec	mu_RA	mu_Dec	prllx	rad.vel.
	h m s	° ' "	"/yr]	"/yr]	["]	[km/s]
Alpheratz	00 08 23.3	N 29 05.4	0.135680	-0.162950	0.034	-11
Ankaa	00 26 17.0	S 42 18.4	0.233050	-0.356300	0.039	75
Schedir	00 40 30.4	N 56 32.2	0.050360	-0.032170	0.014	-4
Diphda	00 43 35.4	S 17 59.2	0.232550	0.031990	0.034	13
Achernar	01 37 42.8	S 57 14.2	0.088020	-0.038240	0.023	16
Hamal	02 07 10.4	N 23 27.7	0.190730	-0.145770	0.049	-14
Polaris	02 31 49.1	N 89 15.8	0.044480	-0.011850	0.008	-17
Acamar	02 58 15.7	S 40 18.3	-0.044600	-0.019000	0.028	12
Menkar	03 02 16.8	N 04 05.4	-0.010410	-0.076850	0.013	-26
Mirfak	03 24 19.4	N 49 51.7	0.024110	-0.026010	0.005	-2
Aldebaran	04 35 55.2	N 16 30.6	0.063000	-0.190000	0.050	54
Capella	05 16 41.4	N 45 59.9	0.075520	-0.427110	0.077	29
Rigel	05 14 32.3	S 08 12.1	0.001870	-0.000560	0.004	21
Bellatrix	05 25 07.9	N 06 21.0	-0.008750	-0.013280	0.013	18
Elnath	05 26 17.5	N 28 36.5	0.023280	-0.174220	0.025	9
Alnilam	05 36 12.8	S 01 12.1	0.001490	-0.001060	0.002	26
Betelgeuze	05 55 10.3	N 07 24.4	0.024950	0.009560	0.005	22
Canopus	06 23 57.1	S 52 41.7	0.019990	0.023670	0.010	21
Sirius	06 45 08.9	S 16 43.0	-0.546050	-1.223140	0.379	-8
Adhara	06 58 37.6	S 28 58.3	0.002600	0.002290	0.008	27
Castor	07 34 36.0	N 31 53.3	-0.206330	-0.148180	0.066	5
Procyon	07 39 18.1	N 05 13.5	-0.716570	-1.034580	0.286	-3
Pollux	07 45 19.4	N 28 01.6	-0.625690	-0.045950	0.097	3
Avior	08 22 30.8	S 59 30.6	-0.025340	0.022720	0.005	2
Suhail	09 07 59.8	S 43 25.9	-0.023210	0.014280	0.006	18
Miaplacidus	09 13 12.0	S 69 43.0	-0.157660	0.108910	0.029	-5
Alphard	09 27 35.2	S 08 39.5	-0.014500	0.033250	0.018	-4
Regulus	10 08 22.3	N 11 58.0	0.249000	0.002000	0.042	6
Dubhe	11 03 43.7	N 61 45.0	-0.136460	-0.035250	0.026	-9
Denebola	11 49 03.6	N 14 34.3	-0.499020	-0.113780	0.090	0
Gienah	12 15 48.4	S 17 32.5	-0.161000	0.023000	0.020	-4
Acrux	12 26 35.9	S 63 05.9	-0.035370	-0.014730	0.010	-11
Gacrux	12 31 09.9	S 57 06.8	0.027940	-0.264330	0.037	21
Alioth	12 54 01.6	N 55 57.6	0.112000	-0.009000	0.040	-9
Spica	13 25 11.6	S 11 09.7	-0.042500	-0.031730	0.012	1
Alkaid	13 47 32.4	N 49 18.8	-0.122000	-0.015600	0.032	-11
Hadar	14 03 49.4	S 60 22.4	-0.033960	-0.025060	0.009	6
Menkent	14 06 41.3	S 36 22.1	-0.519290	-0.517870	0.053	1
Arcturus	14 15 39.7	N 19 10.9	-1.093450	-1.999400	0.089	5
Rigel Kentaurus	14 39 36.5	S 60 50.0	-3.678190	0.481840	0.747	-22
Zubenelgenubi	14 50 52.8	S 16 02.5	-0.106000	-0.067000	0.058	-10
Kocab	14 50 42.3	N 74 09.3	-0.032290	0.011910	0.026	17
Alphecca	15 34 41.3	N 26 42.9	0.120380	-0.089440	0.044	2
Antares	16 29 24.0	S 26 25.9	-0.010160	-0.023210	0.005	-3
Atria	16 48 39.9	S 69 01.7	0.017850	-0.032920	0.008	-3
Sabik	17 10 22.7	S 15 43.5	0.041160	0.097650	0.039	-2
Shaula	17 33 36.5	S 37 06.2	-0.008900	-0.029950	0.005	-3
Rasalhague	17 34 56.1	N 12 33.6	0.110080	-0.222610	0.070	13
Etamin	17 56 36.4	N 51 29.3	-0.008480	-0.022790	0.021	-28
Kaus Australis	18 24 10.3	S 34 23.1	-0.039420	-0.124200	0.023	-15
Vega	18 36 56.3	N 38 47.0	0.201030	0.287470	0.129	-14
Nunki	18 55 15.9	S 26 17.8	0.015140	-0.053430	0.014	-11
Albireo	19 30 43.3	N 27 57.6	0.005000	0.006000	0.009	-24
Altair	19 50 47.0	N 08 52.1	0.536870	0.385570	0.194	-26
Peacock	20 25 38.9	S 56 44.1	0.007710	-0.086150	0.018	2
Deneb	20 41 25.9	N 45 16.8	0.001990	0.001950	0.002	-5
Enif	21 44 11.2	N 09 52.5	0.030020	-0.001380	0.005	3
Alnair	22 08 14.0	S 46 57.7	0.128000	-0.148000	0.032	11
Formalhaut	22 57 39.0	S 29 37.3	0.329220	-0.164220	0.131	7
Markab	23 04 45.6	N 15 12.3	0.060400	-0.041300	0.024	-4

The following table lists the traditional star names as used in this Almanac with the corresponding scientific names (Bayer designation) as used in astronomical star constellation maps.

Star Name	Bayer designation	Apparent Magnitude
Alpheratz	Alpha Andromedae	2.06
Ankaa	Alpha Phoenicis	2.39
Schedir	Alpha Cassiopeiae	2.23
Diphda	Beta Ceti	2.04
Achernar	Alpha Eridani	0.46
Hamal	Alpha Arietis	2.00
Polaris	Alpha Ursae Minoris	2.02
Acamar	Theta Eridani	3.24
Menkar	Alpha Ceti	2.53
Mirfak	Alpha Persei	1.79
Aldebaran	Alpha Tauri	0.85
Capella	Alpha Aurigae	0.08
Rigel	Beta Orionis	0.12
Bellatrix	Gamma Orionis	1.64
Elnath	Beta Tauri	1.65
Alnilam	Epsilon Orionis	1.70
Betelgeuze	Alpha Orionis	0.50
Canopus	Alpha Carinae	-0.72
Sirius	Alpha Canis Majoris	-1.46
Adhara	Epsilon Canis Majoris	1.50
Castor	Alpha Geminorum	2.88
Procyon	Alpha Canis Minoris	0.38
Pollux	Beta Geminorum	1.14
Avior	Epsilon Carinae	1.86
Suhail	Lambda Velorum	2.21
Miaplacidus	Beta Carinae	1.68
Alphard	Alpha Hydrae	1.98
Regulus	Alpha Leonis	1.35
Dubhe	Alpha Ursae Majoris	1.79
Denebola	Beta Leonis	2.14
Gienah	Gamma Corvi	2.59
Acrux	Alpha Crucis	1.33
Gacrux	Gamma Crucis	1.63
Alioth	Epsilon Ursae Majoris	1.77
Spica	Alpha Virginis	0.98
Alkaid	Eta Ursae Majoris	1.86
Hadar	Beta Centauri	0.61
Menkent	Theta Centauri	2.06
Arcturus	Alpha Bootis	-0.04
Rigel Kentaurus	Alpha Centauri	-0.01
Zubenelgenubi	Alpha-2 Librae	2.75
Kocab	Beta Ursae Minoris	2.08
Alphecca	Alpha Coronae Borealis	2.23
Antares	Alpha Scorpii	0.96
Atria	Alpha Trianguli Australis	1.92
Sabik	Eta Ophiuchi	2.43
Shaula	Lambda Scorpii	1.63
Rasalhague	Alpha Ophiuchi	2.08
Etamin	Gamma Draconis	2.23
Kaus Australis	Epsilon Sagittarii	1.85
Vega	Alpha Lyrae	0.03
Nunki	Sigma Sagittarii	2.02
Albireo	Beta Cygni	3.08
Altair	Alpha Aquilae	0.77
Peacock	Alpha Pavonis	1.94
Deneb	Alpha Cygni	1.25
Enif	Epsilon Pegasi	2.39
Alnair	Alpha Gruis	1.74
Formalhaut	Alpha Piscis Austrini	1.16
Markab	Alpha Pegasi	2.49

## Horizontal-Coordinate-System Map of bright Stars - Part I



The Horizontal-Coordinate-System map shows the brightest stars (up to magnitude 4.5) of the local hemisphere for a location on the Equator. The stars are plotted with their Altitude (Hc) and Azimuth (Az) coordinates. The Azimuth scale is plotted on the circle of 0°-Altitude (local horizon). The Azimuth is the approximate compass direction in which the star is visible.

Each of these maps is valid for a location on the equator at a specific time of the day.

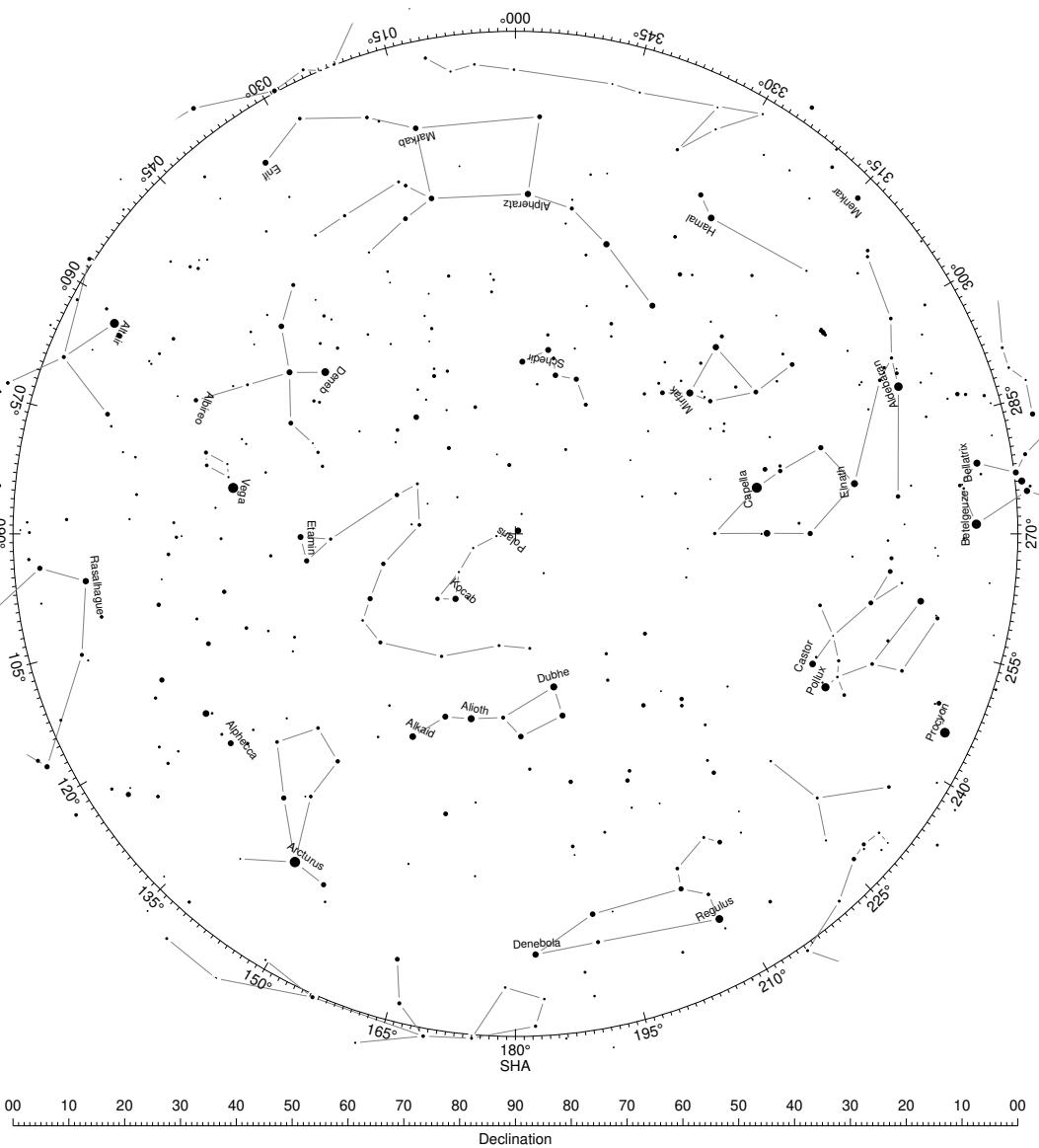
## Position of the Stars on the local hemisphere

The following pages show different maps of the brightest stars on the night sky (down to magnitude 4.5) as well as some of the standard constellations. On each of the maps, the stars used in this Almanac are labeled with their traditional names.

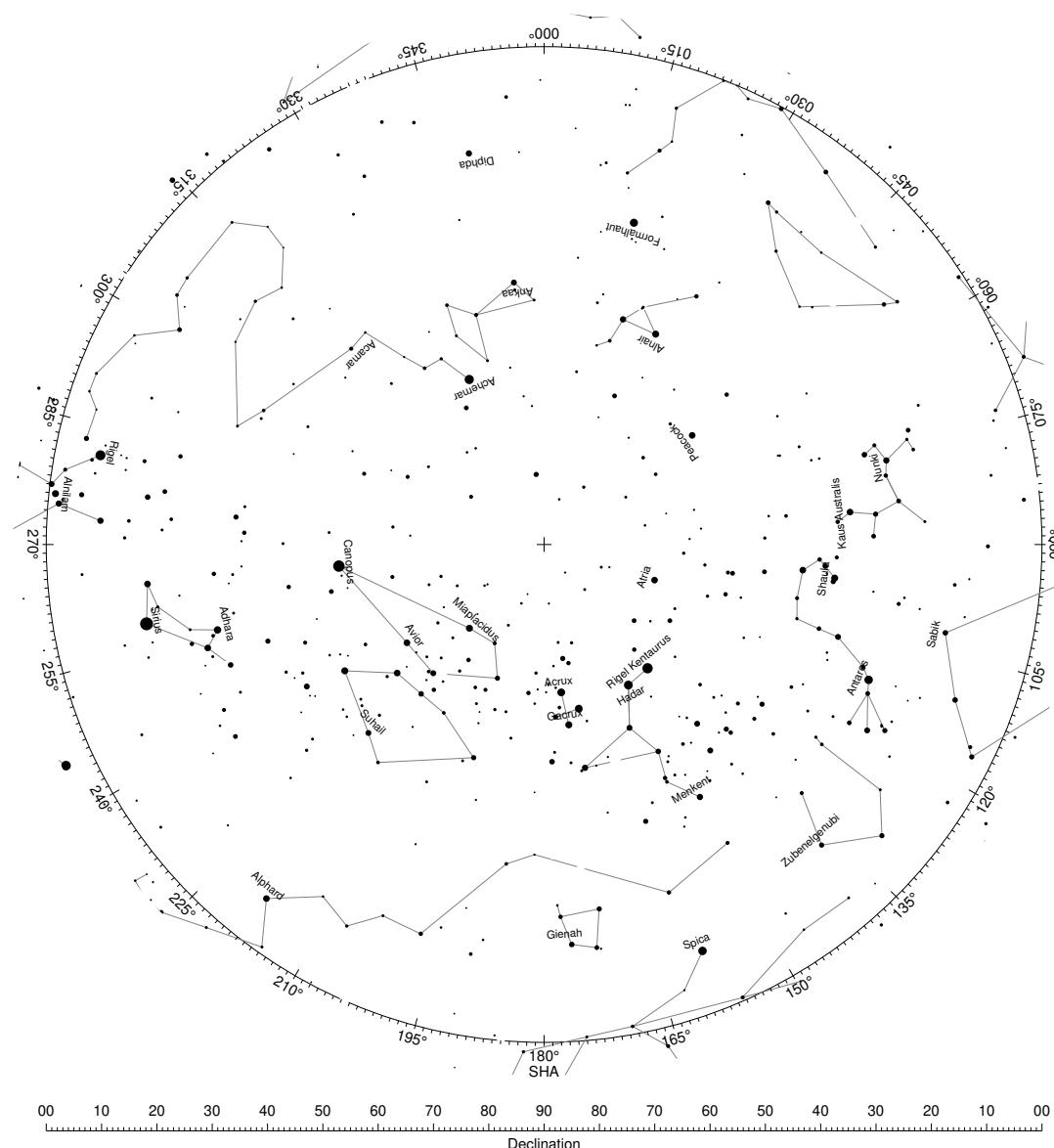
The first two maps are stereographic maps of the stars of the northern- and southern hemisphere, respectively. These maps are centered on the celestial poles and may be used for observations at locations in high northern- or southern latitudes.

The following eight maps show the star constellations on the local hemisphere for locations on the Equator. These maps can be used for observations at locations in lower latitudes.

**Map of bright Stars of the Northern Celestial Sphere**



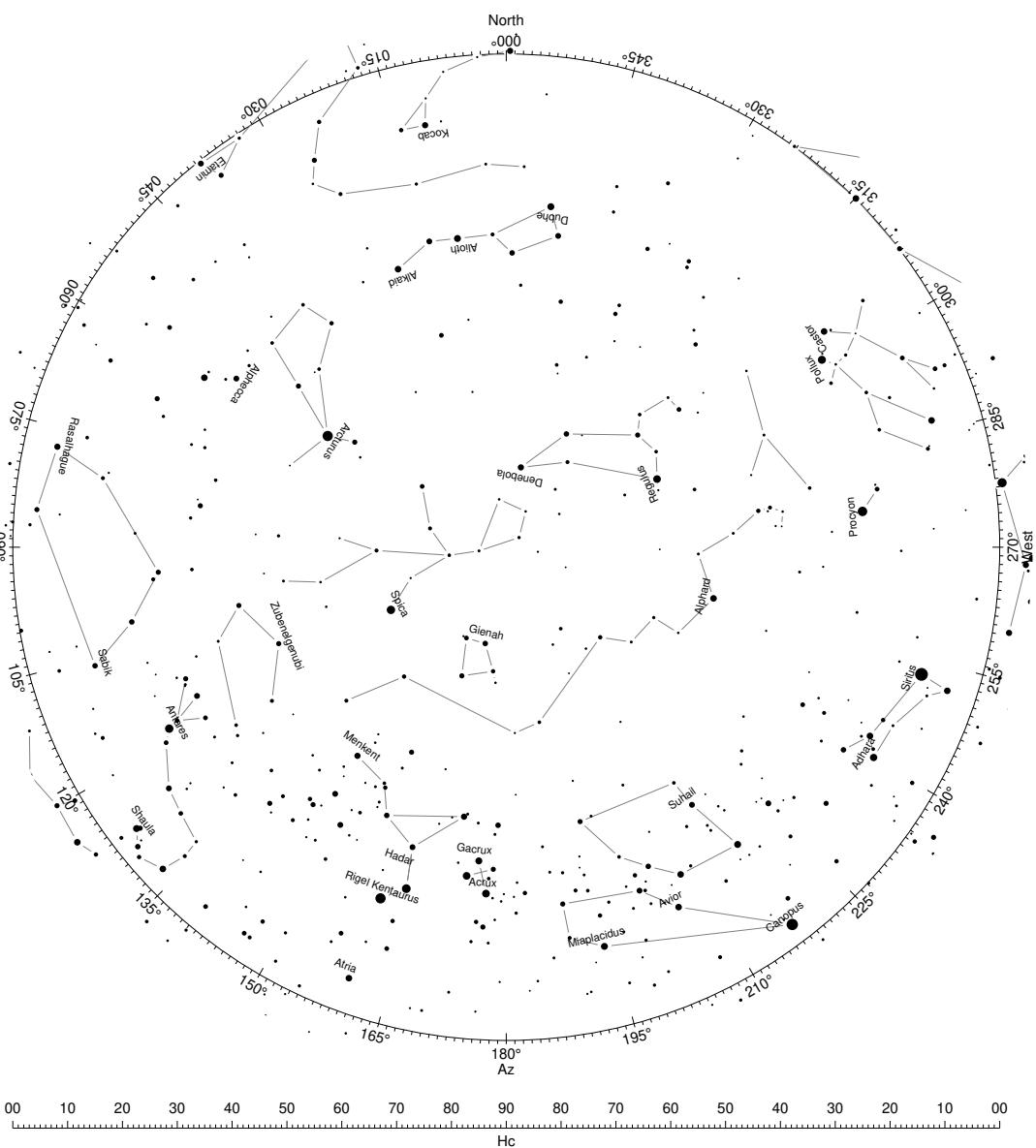
**Map of bright Stars of the Southern Celestial Sphere**



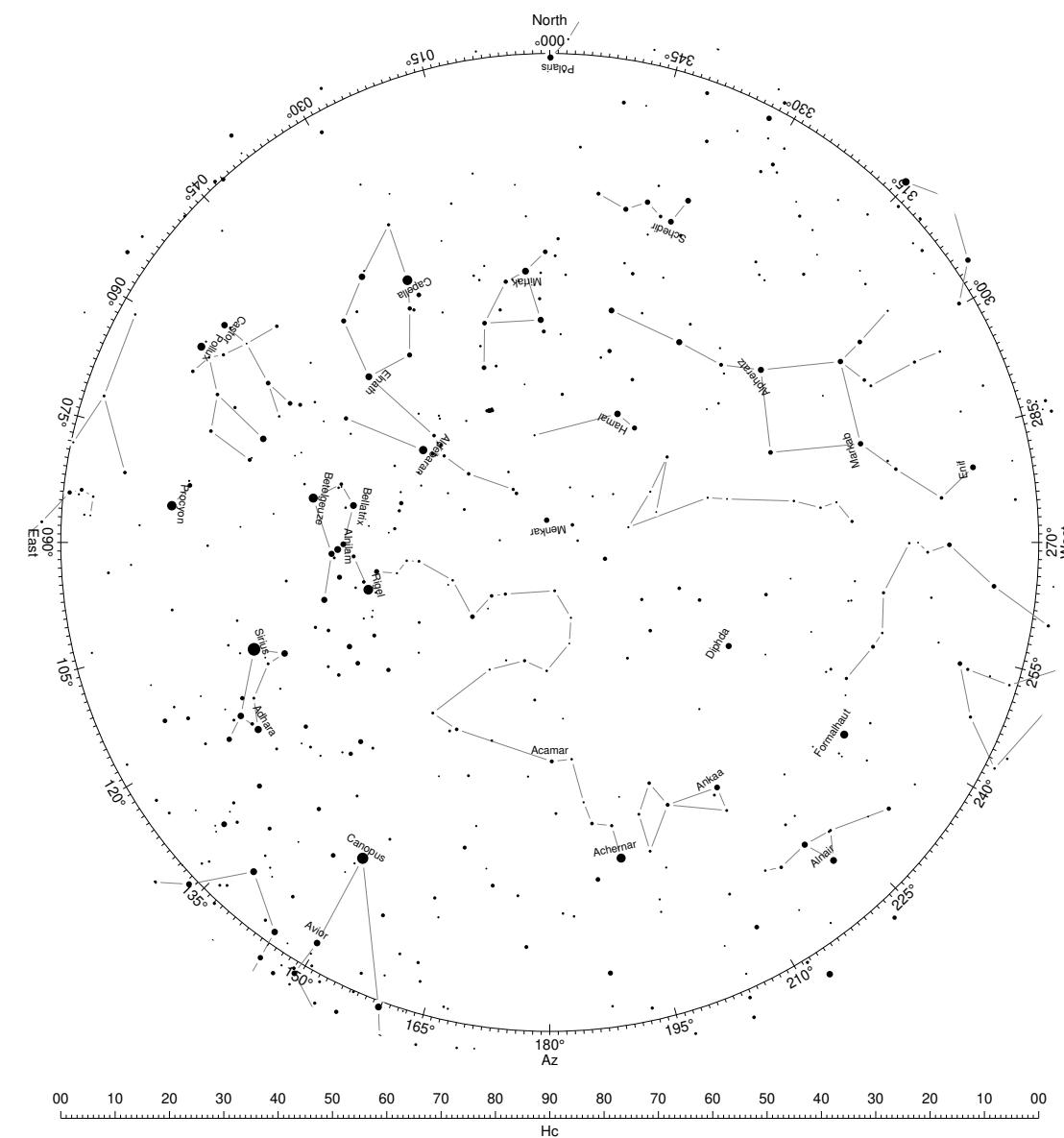
The map is centered on the celestial north pole and shows the brightest stars (up to magnitude 4.5) of the northern celestial hemisphere. The circle of constant declination is shown at 0° (Celestial Equator). The Sidereal Hour Angle of a specific star can be directly read from the SHA scale plotted on the Celestial Equator, while, the Declination can be determined by transferring the distance from the star to the center of the map onto the separate Declination scale. The Sidereal Hour Angle is zero for the "First-Point-of-Aries" and increases westward.

The map is centered on the celestial south pole and shows the brightest stars (up to magnitude 4.5) of the southern celestial hemisphere. The circle of constant declination is shown at 0° (Celestial Equator). The Sidereal Hour Angle of a specific star can be directly read from the SHA scale plotted on the Celestial Equator, while, the Declination can be determined by transferring the distance from the star to the center of the map onto the separate Declination scale. The Sidereal Hour Angle is zero for the "First-Point-of-Aries" and increases westward.

## Horizontal-Coordinate-System Map of bright Stars - Part V



## Horizontal-Coordinate-System Map of bright Stars - Part II



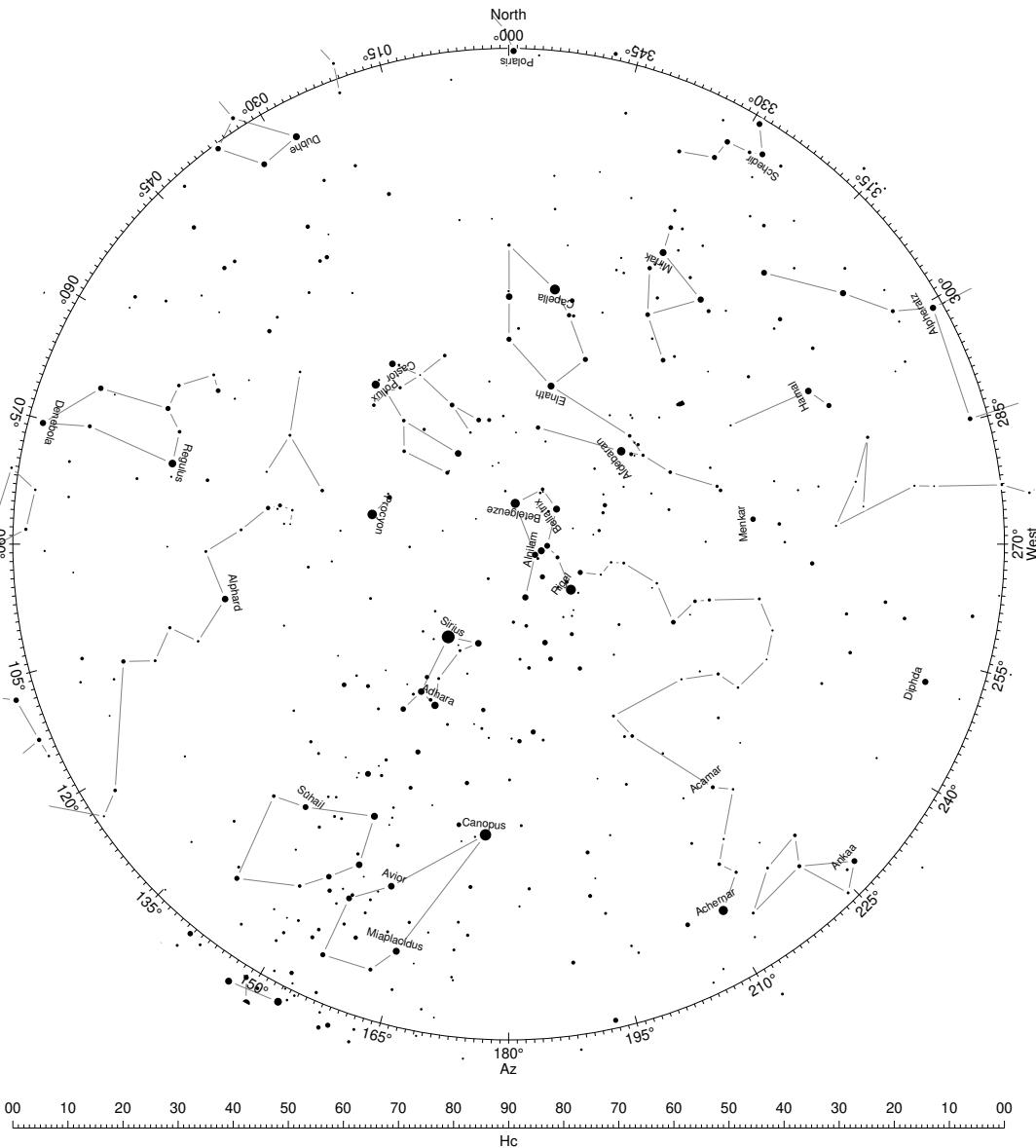
The Horizontal-Coordinate-System map shows the brightest stars (up to magnitude 4.5) of the local hemisphere for a location on the Equator. The stars are plotted with their Altitude (Hc) and Azimuth (Az) coordinates. The Azimuth scale is plotted on the circle of 0°-Altitude (local horizon). The Azimuth is the approximate compass direction in which the star is visible.

Each of these maps is valid for a location on the equator at a specific time of the day.

The Horizontal-Coordinate-System map shows the brightest stars (up to magnitude 4.5) of the local hemisphere for a location on the Equator. The stars are plotted with their Altitude (Hc) and Azimuth (Az) coordinates. The Azimuth scale is plotted on the circle of 0°-Altitude (local horizon). The Azimuth is the approximate compass direction in which the star is visible.

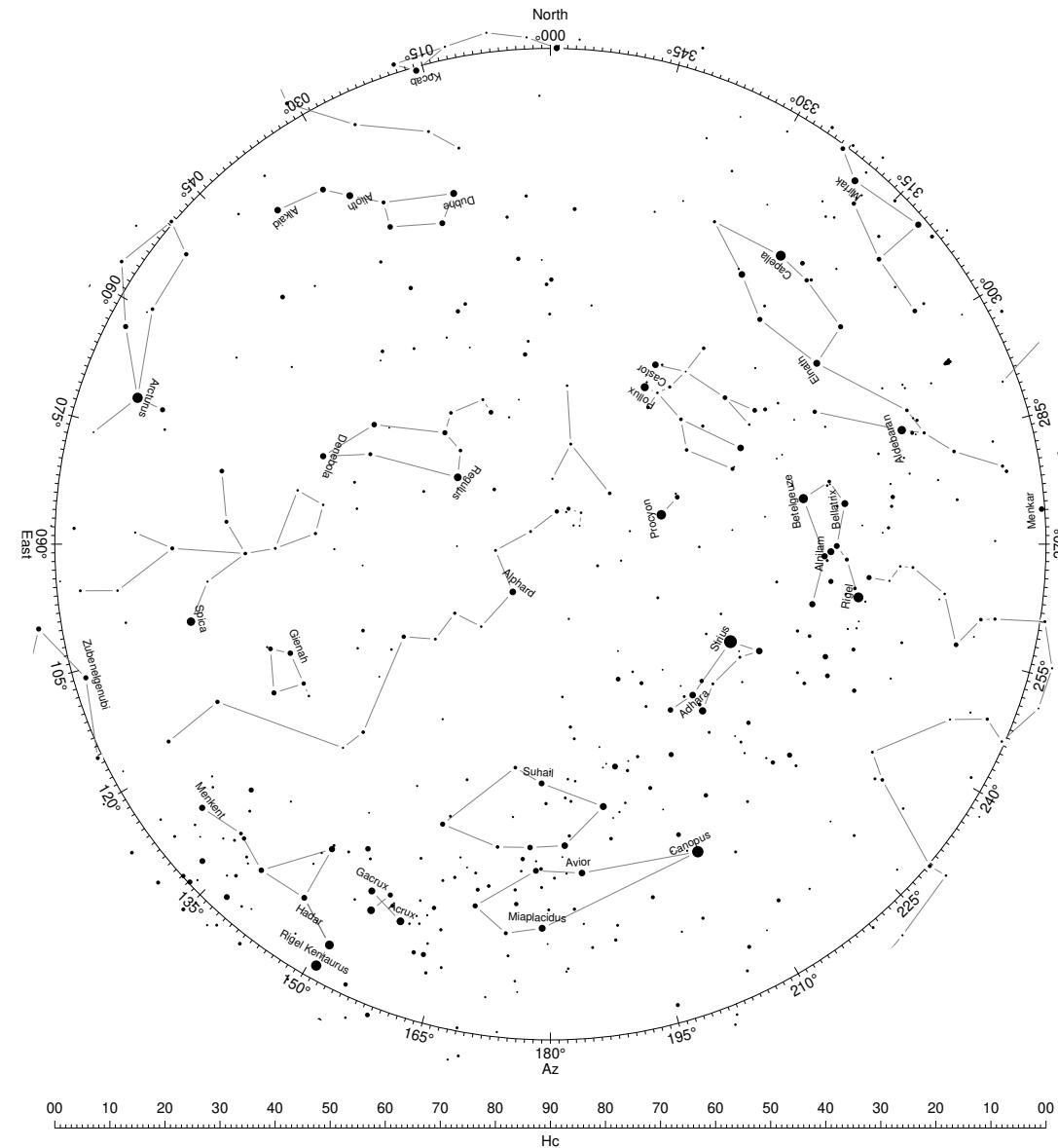
Each of these maps is valid for a location on the equator at a specific time of the day.

## Horizontal-Coordinate-System Map of bright Stars - Part III



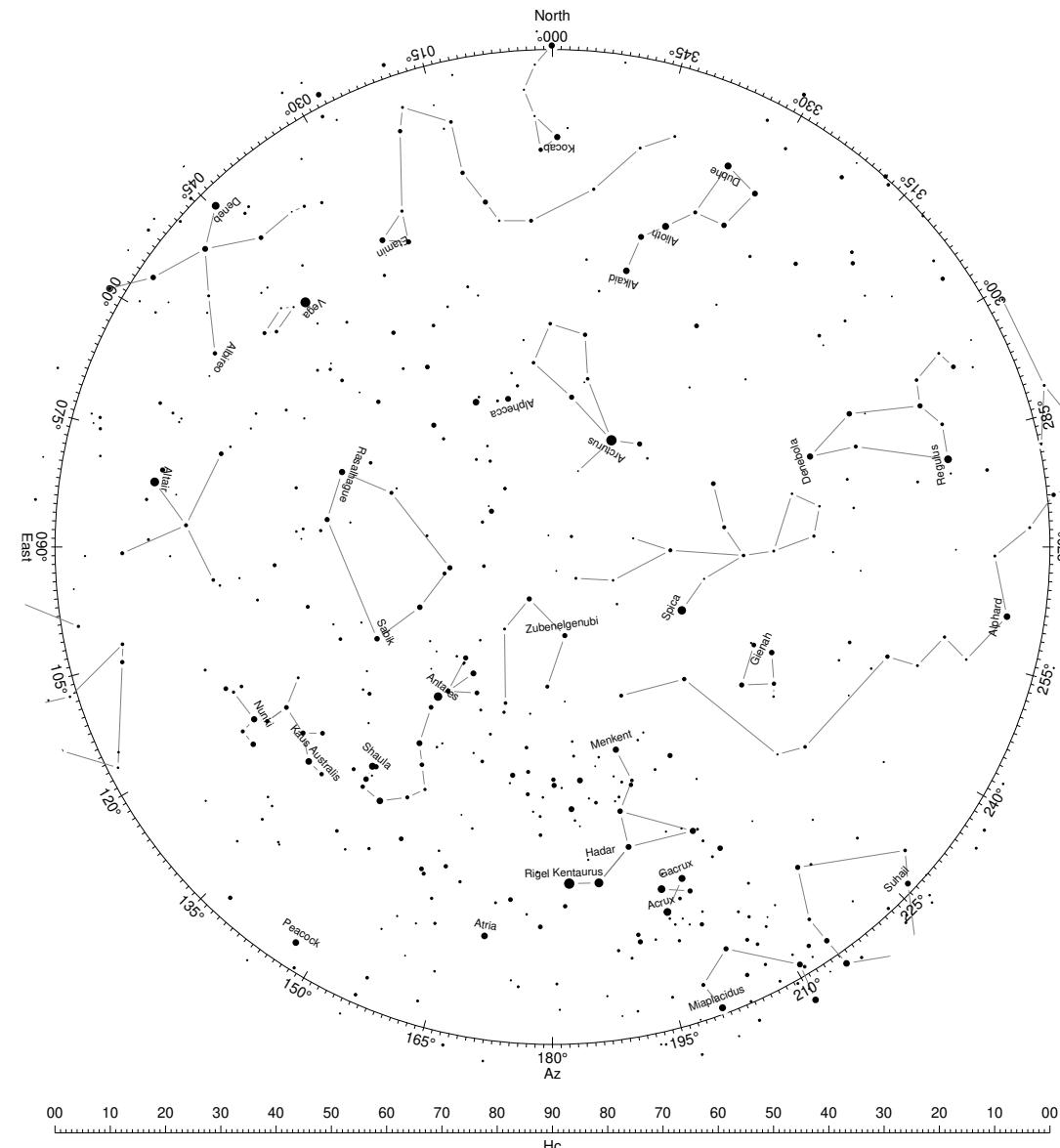
The Horizontal-Coordinate-System map shows the brightest stars (up to magnitude 4.5) of the local hemisphere for a location on the Equator. The stars are plotted with their Altitude ( $H_c$ ) and Azimuth ( $Az$ ) coordinates. The Azimuth scale is plotted on the circle of  $0^\circ$ -Altitude (local horizon). The Azimuth is the approximate compass direction in which the star is visible.

Horizontal-Coordinate-System Map of bright Stars - Part IV



The Horizontal-Coordinate-System map shows the brightest stars (up to magnitude 4.5) of the local hemisphere for a location on the Equator. The stars are plotted with their Altitude (Hc) and Azimuth (Az) coordinates. The Azimuth scale is plotted on the circle of 0°-Altitude (local horizon). The Azimuth is the approximate compass direction in which the star is visible.

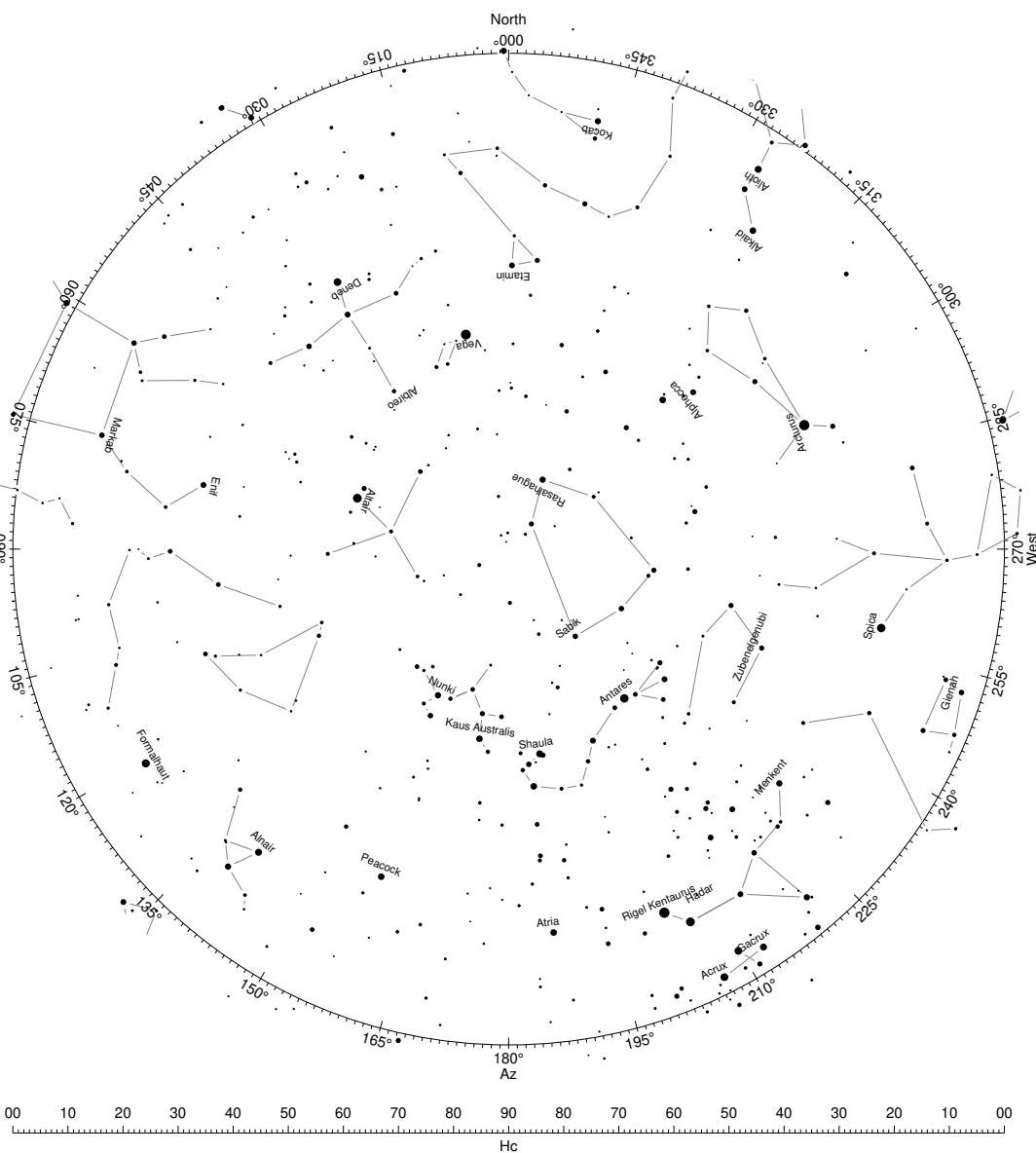
## Horizontal-Coordinate-System Map of bright Stars - Part VI



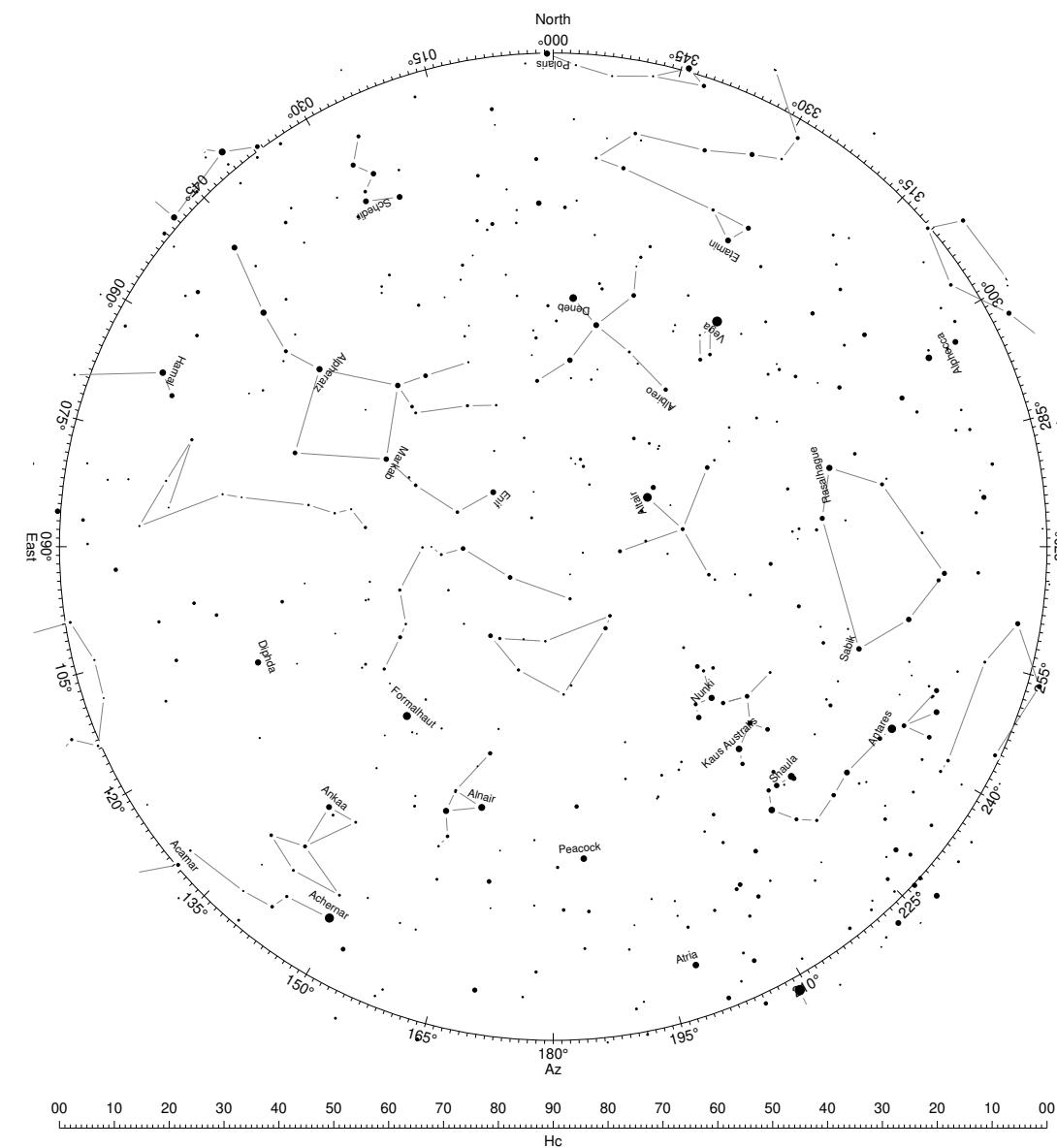
The Horizontal-Coordinate-System map shows the brightest stars (up to magnitude 4.5) of the local hemisphere for a location on the Equator. The stars are plotted with their Altitude (Hc) and Azimuth (Az) coordinates. The Azimuth scale is plotted on the circle of 0°-Altitude (local horizon). The Azimuth is the approximate compass direction in which the star is visible.

Each of these maps is valid for a location on the equator at a specific time of the day.

### Horizontal-Coordinate-System Map of bright Stars - Part VII



### Horizontal-Coordinate-System Map of bright Stars - Part VIII



The Horizontal-Coordinate-System map shows the brightest stars (up to magnitude 4.5) of the local hemisphere for a location on the Equator. The stars are plotted with their Altitude (Hc) and Azimuth (Az) coordinates. The Azimuth scale is plotted on the circle of 0°-Altitude (local horizon). The Azimuth is the approximate compass direction in which the star is visible.

Each of these maps is valid for a location on the equator at a specific time of the day.

The Horizontal-Coordinate-System map shows the brightest stars (up to magnitude 4.5) of the local hemisphere for a location on the Equator. The stars are plotted with their Altitude (Hc) and Azimuth (Az) coordinates. The Azimuth scale is plotted on the circle of 0°-Altitude (local horizon). The Azimuth is the approximate compass direction in which the star is visible.

Each of these maps is valid for a location on the equator at a specific time of the day.

# 2025 - First Point of Aries / Selected Stars

	day 11 of 365	day 12 of 365	day 13 of 365	day 14 of 365	day 15 of 365	
UT	GHA ° ,'	ddGHA ° ,'	GHA ° ,'	ddGHA ° ,'	GHA ° ,'	UT
00	110 45.4 +02.4	111 44.5 +02.5	112 43.7 +02.4	113 42.8 +02.5	114 41.9 +02.5	00
01	125 47.8 +02.5	126 46.1 +02.4	127 44.6 +02.5	128 43.3 +02.4	129 44.4 +02.5	01
02	140 50.3 +02.5	141 49.4 +02.5	142 48.6 +02.4	143 47.7 +02.5	144 46.9 +02.4	02
03	155 52.8 +02.4	156 51.9 +02.5	157 51.0 +02.5	158 50.2 +02.5	159 49.3 +02.5	03
04	170 55.2 +02.5	171 54.4 +02.4	172 53.5 +02.5	173 52.7 +02.4	174 51.8 +02.5	04
05	185 57.7 +02.5	186 56.8 +02.5	187 56.0 +02.4	188 55.1 +02.5	189 54.3 +02.4	05
06	201 00.2 +02.4	201 59.3 +02.5	202 58.4 +02.5	203 57.6 +02.4	204 56.7 +02.5	06
07	216 02.6 +02.5	217 01.8 +02.4	218 00.9 +02.5	219 00.0 +02.5	219 59.2 +02.4	07
08	231 05.1 +02.4	232 04.2 +02.5	233 03.4 +02.4	234 02.5 +02.5	235 01.6 +02.5	08
09	246 07.5 +02.5	247 06.7 +02.5	248 05.8 +02.5	249 05.0 +02.4	250 04.1 +02.5	09
10	261 10.0 +02.5	262 09.2 +02.4	263 08.3 +02.5	264 07.4 +02.5	265 06.6 +02.4	10
11	276 12.5 +02.4	277 11.6 +02.5	278 10.8 +02.4	279 09.9 +02.5	280 09.0 +02.5	11
12	291 14.9 +02.5	292 14.1 +02.4	293 13.2 +02.5	294 12.4 +02.4	295 11.5 +02.5	12
13	306 17.4 +02.5	307 16.5 +02.5	308 15.7 +02.5	309 14.8 +02.5	310 14.0 +02.4	13
14	321 19.9 +02.4	322 19.0 +02.5	323 18.2 +02.4	324 17.3 +02.5	325 16.4 +02.5	14
15	336 22.3 +02.5	337 21.5 +02.4	338 20.6 +02.5	339 19.8 +02.4	340 18.9 +02.5	15
16	351 24.8 +02.5	352 23.9 +02.5	353 23.1 +02.4	354 22.2 +02.5	355 21.4 +02.4	16
17	6 27.3 +02.4	7 26.4 +02.5	8 25.5 +02.5	9 24.7 +02.5	10 23.8 +02.5	17
18	21 29.7 +02.5	22 28.9 +02.4	23 28.0 +02.5	24 27.2 +02.4	25 26.3 +02.5	18
19	36 32.2 +02.5	37 31.3 +02.5	38 30.5 +02.4	39 29.6 +02.5	40 28.8 +02.4	19
20	51 34.7 +02.4	52 33.8 +02.5	53 32.9 +02.5	54 32.1 +02.4	55 31.2 +02.5	20
21	66 37.1 +02.5	67 36.3 +02.4	68 35.4 +02.5	69 34.5 +02.5	70 33.7 +02.4	21
22	81 39.6 +02.4	82 38.7 +02.5	83 37.9 +02.4	84 37.0 +02.5	85 36.1 +02.5	22
23	96 42.0 +02.5	97 41.2 +02.5	98 40.3 +02.5	99 39.5 +02.4	100 38.6 +02.5	23

	SHA ° ,'	Dec		SHA ° ,'	Dec
Alpheratz	357 34.9	N 29 13.9	Gienah	175 43.4	S 17 40.8
Ankaa	353 07.3	S 42 10.3	Acrux	172 59.9	S 63 14.0
Schedir	349 31.2	N 56 40.8	Gacrux	171 51.6	S 57 14.8
Diphda	348 47.4	S 17 51.1	Alioth	166 13.0	N 55 49.1
Achernar	335 20.2	S 57 06.9	Spica	158 22.3	S 11 17.5
Hamal	327 51.2	N 23 35.0	Alkaid	152 52.0	N 49 11.0
Polaris	313 49.0	N 89 22.5	Hadar	148 36.1	S 60 29.3
Acamar	315 11.5	S 40 12.5	Menkent	147 57.4	S 36 29.1
Menkar	314 06.0	N 04 11.3	Arcturus	145 47.6	N 19 03.8
Mirfak	308 28.0	N 49 57.2	Rigel Kentaurus	139 37.6	S 60 56.3
Aldebaran	290 39.4	N 16 33.7	Zubenelgenubi	136 56.1	S 16 08.7
Capella	280 21.5	N 46 01.6	Kocab	137 20.2	N 74 02.8
Rigel	281 03.6	S 08 10.4	Alphecca	126 04.0	N 26 37.7
Bellatrix	278 22.6	N 06 22.3	Antares	112 16.2	S 26 29.2
Elnath	278 01.5	N 28 37.8	Atria	107 10.8	S 69 04.1
Alnilam	275 37.4	S 01 11.2	Sabik	102 03.1	S 15 45.4
Betelgeuze	270 51.8	N 07 24.7	Shaula	96 10.7	S 37 07.3
Canopus	263 51.9	S 52 42.6	Rasalhague	95 58.9	N 12 32.5
Sirius	258 25.7	S 16 44.6	Etamin	90 42.7	N 51 29.0
Adhara	255 05.5	S 29 00.4	Kaus Australis	83 32.9	S 34 22.3
Castor	245 56.6	N 31 50.0	Vega	80 33.7	N 38 48.2
Procyon	244 50.2	N 05 10.0	Nunki	75 48.1	S 26 15.9
Pollux	243 16.5	N 27 57.9	Albireo	67 04.4	N 28 00.7
Avior	234 14.1	S 59 35.3	Altair	62 00.5	N 08 55.8
Suhail	222 45.9	S 43 31.9	Peacock	53 06.3	S 56 39.3
Miaplacidus	221 37.3	S 69 49.0	Deneb	49 26.3	N 45 22.2
Alphard	217 47.5	S 08 46.0	Enif	33 39.1	N 09 59.4
Regulus	207 34.1	N 11 50.6	Alnair	27 33.3	S 46 50.5
Dubhe	193 40.5	N 61 36.7	Formalhaut	15 14.9	S 29 29.5
Denebola	182 24.6	N 14 25.8	Markab	13 30.1	N 15 20.4

## Nautical Almanac for selected Stars

The following pages contain the celestial coordinates of the "First Point of Aries" and a set of selected stars. Each page compiles the almanac data for five successive days of the year. For this time span, the recorded star data consisting of Siderial Hour Angle (SHA) and Declination (Dec) is valid. The time used in this Almanac is Universal Time (UT).

The GHA of a specific star is obtained from the GHA of the "First Point of Aries" and the star's SHA by the following relationship:  $GHA_{star} = GHA_{Aries} + SHA_{star}$

### NOTICE:

This Nautical Almanac uses a slightly different approach for the interpolation of the integral-hour values of Greenwich Hour Angle and Declination, compared to the techniques used in most commercially available Almanacs.

For more information please refer to the following web site: "<http://www.siranah.de/>"

### Abbreviations used in the Almanac tables:

UT	Universal Time	
GHA	Greenwich Hour Angle	° [degrees]
ddGHA	the increment of the GHA value for the next hour of time, additional to the "linear" increment of 15°/h	' [minutes of arc]
SHA	Siderial Hour Angle	° [degrees]
Dec	Declination	° [degrees]

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

UT	day 1 of 365		day 2 of 365		day 3 of 365		day 4 of 365		day 5 of 365		UT
	January 1	GHA ddGHA	January 2	GHA ddGHA	January 3	GHA ddGHA	January 4	GHA ddGHA	January 5	GHA ddGHA	
00	100 54.0	+02.4	101 53.1	+02.5	102 52.3	+02.4	103 51.4	+02.5	104 50.5	+02.5	00
01	115 56.4	+02.5	116 55.6	+02.4	117 54.7	+02.5	118 53.9	+02.4	119 53.0	+02.5	01
02	130 58.9	+02.5	131 58.0	+02.5	132 57.2	+02.5	133 56.3	+02.5	134 55.5	+02.4	02
03	146 01.4	+02.4	147 00.5	+02.5	147 59.7	+02.4	148 58.8	+02.5	149 57.9	+02.5	03
04	161 03.8	+02.5	162 03.0	+02.4	163 02.1	+02.5	164 01.3	+02.4	165 00.4	+02.5	04
05	176 06.3	+02.5	177 05.4	+02.5	178 04.6	+02.4	179 03.7	+02.5	180 02.9	+02.4	05
06	191 08.8	+02.4	192 07.9	+02.5	193 07.0	+02.5	194 06.2	+02.4	195 05.3	+02.5	06
07	206 11.2	+02.5	207 10.4	+02.4	208 09.5	+02.5	209 08.6	+02.5	210 07.8	+02.4	07
08	221 13.7	+02.5	222 12.8	+02.5	223 12.0	+02.4	224 11.1	+02.5	225 10.2	+02.5	08
09	236 16.2	+02.4	237 15.3	+02.5	238 14.4	+02.5	239 13.6	+02.4	240 12.7	+02.5	09
10	251 18.6	+02.5	252 17.8	+02.4	253 16.9	+02.5	254 16.0	+02.5	255 15.2	+02.4	10
11	266 21.1	+02.4	267 20.2	+02.5	268 19.4	+02.4	269 18.5	+02.5	270 17.6	+02.5	11
12	281 23.5	+02.5	282 22.7	+02.5	283 21.8	+02.5	284 21.0	+02.4	285 20.1	+02.5	12
13	296 26.0	+02.5	297 25.2	+02.4	298 24.3	+02.5	299 23.4	+02.5	300 22.6	+02.4	13
14	311 28.5	+02.4	312 27.6	+02.5	313 26.8	+02.4	314 25.9	+02.5	315 25.0	+02.5	14
15	326 30.9	+02.5	327 30.1	+02.4	328 29.2	+02.5	329 28.4	+02.4	330 27.5	+02.5	15
16	341 33.4	+02.5	342 32.5	+02.5	343 31.7	+02.4	344 30.8	+02.5	345 30.0	+02.4	16
17	356 35.9	+02.4	357 35.0	+02.5	358 34.1	+02.5	359 33.3	+02.5	0 32.4	+02.5	17
18	11 38.3	+02.5	12 37.5	+02.4	13 36.6	+02.5	14 35.8	+02.4	15 34.9	+02.5	18
19	26 40.8	+02.5	27 39.9	+02.5	28 39.1	+02.4	29 38.2	+02.5	30 37.4	+02.4	19
20	41 43.3	+02.4	42 42.4	+02.5	43 41.5	+02.5	44 40.7	+02.4	45 39.8	+02.5	20
21	56 45.7	+02.5	57 44.9	+02.4	58 44.0	+02.5	59 43.1	+02.5	60 42.3	+02.4	21
22	71 48.2	+02.5	72 47.3	+02.5	73 46.5	+02.4	74 45.6	+02.5	75 44.7	+02.5	22
23	86 50.7	+02.4	87 49.8	+02.5	88 48.9	+02.5	89 48.1	+02.4	90 47.2	+02.5	23

UT	day 6 of 365		day 7 of 365		day 8 of 365		day 9 of 365		day 10 of 365		UT
	January 6	GHA ddGHA	January 7	GHA ddGHA	January 8	GHA ddGHA	January 9	GHA ddGHA	January 10	GHA ddGHA	
00	105 49.7	+02.4	106 48.8	+02.5	107 47.9	+02.5	108 47.1	+02.5	109 46.2	+02.5	00
01	120 52.1	+02.5	121 51.3	+02.4	122 50.4	+02.5	123 49.6	+02.4	124 48.7	+02.5	01
02	135 54.6	+02.5	136 53.7	+02.5	137 52.9	+02.5	138 52.0	+02.5	139 51.2	+02.4	02
03	150 57.1	+02.4	151 56.2	+02.5	152 55.3	+02.5	153 54.5	+02.4	154 53.6	+02.5	03
04	165 59.5	+02.5	166 58.7	+02.4	167 57.8	+02.5	168 56.9	+02.5	169 56.1	+02.5	04
05	181 02.0	+02.5	182 01.1	+02.5	183 00.3	+02.4	183 59.4	+02.5	184 58.6	+02.4	05
06	196 04.5	+02.4	197 03.6	+02.5	198 02.7	+02.5	199 01.9	+02.4	200 01.0	+02.5	06
07	211 06.9	+02.5	212 06.1	+02.4	213 05.2	+02.5	214 04.3	+02.5	215 03.5	+02.4	07
08	226 09.4	+02.4	227 08.5	+02.5	228 07.7	+02.4	229 06.8	+02.5	230 05.9	+02.5	08
09	241 11.8	+02.5	242 11.0	+02.5	243 10.1	+02.5	244 09.3	+02.4	245 08.4	+02.5	09
10	256 14.3	+02.5	257 13.5	+02.4	258 12.6	+02.5	259 11.7	+02.5	260 10.9	+02.4	10
11	271 16.8	+02.4	272 15.9	+02.5	273 15.1	+02.4	274 14.2	+02.5	275 13.3	+02.5	11
12	286 19.2	+02.5	287 18.4	+02.4	288 17.5	+02.5	289 16.7	+02.4	290 15.8	+02.5	12
13	301 21.7	+02.5	302 20.8	+02.5	303 20.0	+02.4	304 19.1	+02.5	305 18.3	+02.4	13
14	316 24.2	+02.4	317 23.3	+02.5	318 22.4	+02.5	319 21.6	+02.5	320 20.7	+02.5	14
15	331 26.6	+02.5	332 25.8	+02.4	333 24.9	+02.5	334 24.1	+02.4	335 23.2	+02.5	15
16	346 29.1	+02.5	347 28.2	+02.5	348 27.4	+02.4	349 26.5	+02.5	350 25.7	+02.4	16
17	1 31.6	+02.4	2 30.7	+02.5	3 29.8	+02.5	4 29.0	+02.4	5 28.1	+02.5	17
18	16 34.0	+02.5	17 33.2	+02.4	18 32.3	+02.5	19 31.4	+02.5	20 30.6	+02.4	18
19	31 36.5	+02.5	32 35.6	+02.5	33 34.8	+02.4	34 33.9	+02.5	35 33.0	+02.5	19
20	46 39.0	+02.4	47 38.1	+02.5	48 37.2	+02.5	49 36.4	+02.4	50 35.5	+02.5	20
21	61 41.4	+02.5	62 40.6	+02.4	63 39.7	+02.5	64 38.8	+02.5	65 38.0	+02.4	21
22	76 43.9	+02.4	77 43.0	+02.5	78 42.2	+02.4	79 41.3	+02.5	80 40.4	+02.5	22
23	91 46.3	+02.5	92 45.5	+02.4	93 44.6	+02.5	94 43.8	+02.4	95 42.9	+02.5	23

	SHA °,	Dec °,		SHA °,	Dec °,		SHA °,	Dec °,		SHA °,	Dec °,	
Alpheratz	357 34.9	N 29 13.9	Gienah	175 43.5	S 17 40.8		Gienah	175 43.5	S 17 40.8	Ankaa	353 07.3	S 42 10.3
Ankaa	353 07.3	S 42 10.3	Acrux	173 00.1	S 63 14.0		Acrux	173 00.0	S 63 14.0	Schedir	349 31.1	N 56 40.8
Schedir	349 31.1	N 56 40.8	Gacrux	171 51.7	S 57 14.8		Gacrux	171 51.6	S 57 14.8	Diphda	348 47.4	S 17 51.1
Diphda	348 47.4	S 17 51.1	Alioth	166 13.1	N 55 49.1		Alioth	166 13.0	N 55 49.1	Achernar	335 20.1	S 57 06.8
Achernar	335 20.1	S 57 06.8	Spica	158 22.4	S 11 17.5		Spica	158 22.3	S 11 17.5	Hamal	327 51.2	N 23 35.0
Hamal	327 51.1	N 23 35.0	Alkaid	152 52.1	N 49 11.0		Alkaid	152 52.0	N 49 11.0	Polaris	313 45.2	N 89 22.4
Polaris	313 45.2	N 89 22.4	Hadar	148 36.3	S 60 29.3		Hadar	148 36.2	S 60 29.3	Acamar	315 11.5	S 40 12.5
Acamar	315 11.5	S 40 12.4	Menket	147 57.5	S 36 29.1		Menket	147 57.4	S 36 29.1	Menkar	314 06.0	N 04 11.3
Menkar	314 06.0	N 04 11.3	Arcturus	145 47.7	N 19 03.8		Arcturus	145 47.6	N 19 03.8	Rigel Kentaurus	308 27.9	N 49 57.2
Rigel Kentaurus	308 27.9	N 49 57.2	Zubenelgenubi	136 56.2	S 16 08.7		Zubenelgenubi	136 56.1	S 16 08.7	Aldebaran	290 39.4	N 16 33.7
Aldebaran	290 39.3	N 16 33.7	Kocab	137 20.4	N 74 02.8		Kocab	137 20.3	N 74 02.8	Capella	280 21.5	N 46 01.6
Capella	280 21.5	N 46 01.6	Rigel	126 04.1	N 26 37.7		Rigel	126 04.0	N 26 37.7	Bellatrix	278 22.6	N 06 22.3
Bellatrix	278 22.6	N 06 22.4	Antares	112 16.3	S 26 29.2		Antares	112 16.3	S 26 29.2	Elnath	278 01.5	N 28 37.8
Elnath	278 01.5	N 28 37.8	Atria	107 11.0	S 69 04.2		Atria	107 10.9	S 69 04.2	Alnilam	275 37.4	S 01 11.2
Alnilam	275 37.4	S 01 11.2	Sabik	102 03.1	S 15 45.4		Sabik	102 03.1	S 15 45.4	Betelgeuze	270 51.8	N 07 24.7
Betelgeuze	270 51.8	N 07 24.7	Shaula	96 10.8	S 37 07.3		Shaula	96 10.8	S 37 07.3	Canopus	263 51.9	S 52 42.5
Canopus	263 51.9	S 52 42.5	Rasalhague	95 58.9	N 12 32.5		Rasalhague	95 58.9	N 12 32.5	Sirius	258 25.7	S 16 44.5
Sirius	258 25.7	S 16 44.5	Etamin	90 42.7	N 51 29.0		Etamin	90 42.7	N 51 29.0	Adhara	255 05.5	S 29 00.3
Adhara	255 05.5	S 29 00.3	Kaus Australis	83 32.9	S 34 22.3		Kaus Australis	83 32.9	S 34 22.3	Castor	245 56.6	N 31 50.0
Castor	245 56.6	N 31 50.0	Vega	80 33.8	N 38 48.2		Vega	80 33.8	N 38 48.2	Procyon	244 50.3	N 05 10.0
Procyon	244 50.3	N 05 10.0	Nunki	75 48.2	S 26 16.0		Nunki	75 48.1	S 26 16.0	Pollux	243 16.6	N 27 57.9
Pollux	243 16.6	N 27 57.9	Albireo	67 04.5	N 28 00.7		Albireo	67 04.5	N 28 00.7	Avior	234 14.1	S 59 35.3
Avior	234 14.1	S 59 35.2	Altair	62 00.5	N 08 55.9</td							

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

UT	day 31 of 365		day 32 of 365		day 33 of 365		day 34 of 365		day 35 of 365		UT
	<b>January 31</b>		<b>February 1</b>		<b>February 2</b>		<b>February 3</b>		<b>February 4</b>		
GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	UT	
00	130 28.2 +02.4	131 27.3 +02.5	132 26.4 +02.5	133 25.6 +02.4	134 24.7 +02.5	00					
01	145 30.6 +02.5	146 29.8 +02.4	147 28.9 +02.5	148 28.0 +02.5	149 27.2 +02.4	01					
02	160 33.1 +02.5	161 32.2 +02.5	162 31.4 +02.4	163 30.5 +02.5	164 29.6 +02.5	02					
03	175 35.6 +02.4	176 34.7 +02.5	177 33.8 +02.5	178 33.0 +02.4	179 32.1 +02.5	03					
04	190 38.0 +02.5	191 37.2 +02.4	192 36.3 +02.5	193 35.4 +02.5	194 34.6 +02.4	04					
05	205 40.5 +02.4	206 39.6 +02.5	207 38.8 +02.4	208 37.9 +02.5	209 37.0 +02.5	05					
06	220 42.9 +02.5	221 42.1 +02.5	222 41.2 +02.5	223 40.4 +02.4	224 39.5 +02.5	06					
07	235 45.4 +02.5	236 44.6 +02.4	237 43.7 +02.5	238 42.8 +02.5	239 42.0 +02.4	07					
08	250 47.9 +02.4	251 47.0 +02.5	252 46.2 +02.4	253 45.3 +02.5	254 44.4 +02.5	08					
09	265 50.3 +02.5	266 49.5 +02.4	267 48.6 +02.5	268 47.8 +02.4	269 46.9 +02.5	09					
10	280 52.8 +02.5	281 51.9 +02.5	282 51.1 +02.4	283 50.2 +02.5	284 49.4 +02.4	10					
11	295 55.3 +02.4	296 54.4 +02.5	297 53.5 +02.5	298 52.7 +02.4	299 51.8 +02.5	11					
12	310 57.7 +02.5	311 56.9 +02.4	312 56.0 +02.5	313 55.1 +02.5	314 54.3 +02.4	12					
13	326 00.2 +02.5	326 59.3 +02.5	327 58.5 +02.4	328 57.6 +02.5	329 56.7 +02.5	13					
14	341 02.7 +02.4	342 01.8 +02.5	343 00.9 +02.5	344 00.1 +02.4	344 59.2 +02.5	14					
15	356 05.1 +02.5	357 04.3 +02.4	358 03.4 +02.5	359 02.5 +02.5	0 01.7 +02.4	15					
16	11 07.6 +02.5	12 06.7 +02.5	13 05.9 +02.4	14 05.0 +02.5	15 04.1 +02.5	16					
17	26 10.1 +02.4	27 09.2 +02.5	28 08.3 +02.5	29 07.5 +02.4	30 06.6 +02.5	17					
18	41 12.5 +02.5	42 11.7 +02.4	43 10.8 +02.5	44 09.9 +02.5	45 09.1 +02.4	18					
19	56 15.0 +02.4	57 14.1 +02.5	58 13.3 +02.4	59 12.4 +02.5	60 11.5 +02.5	19					
20	71 17.4 +02.5	72 16.6 +02.4	73 15.7 +02.5	74 14.9 +02.4	75 14.0 +02.5	20					
21	86 19.9 +02.5	87 19.0 +02.5	88 18.2 +02.4	89 17.3 +02.5	90 16.5 +02.4	21					
22	101 22.4 +02.4	102 21.5 +02.5	103 20.6 +02.5	104 19.8 +02.5	105 18.9 +02.5	22					
23	116 24.8 +02.5	117 24.0 +02.4	118 23.1 +02.5	119 22.3 +02.4	120 21.4 +02.5	23					

UT	day 16 of 365		day 17 of 365		day 18 of 365		day 19 of 365		day 20 of 365		UT
	<b>January 16</b>		<b>January 17</b>		<b>January 18</b>		<b>January 19</b>		<b>January 20</b>		
UT	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	UT
00	115 41.1 +02.4	116 40.2 +02.5	117 39.4 +02.4	118 38.5 +02.5	119 37.6 +02.5	00					
01	130 43.5 +02.5	131 42.7 +02.4	132 41.8 +02.5	133 41.0 +02.4	134 40.1 +02.5	01					
02	145 46.0 +02.5	146 45.1 +02.5	147 44.3 +02.4	148 43.4 +02.5	149 42.6 +02.4	02					
03	160 48.5 +02.4	161 47.6 +02.5	162 46.7 +02.5	163 45.9 +02.4	164 45.0 +02.5	03					
04	175 50.9 +02.5	176 50.1 +02.4	177 49.2 +02.5	178 48.3 +02.5	179 47.5 +02.4	04					
05	190 53.4 +02.5	191 52.5 +02.5	192 51.7 +02.4	193 50.8 +02.5	194 49.9 +02.5	05					
06	205 55.9 +02.4	206 55.0 +02.5	207 54.1 +02.5	208 53.3 +02.4	209 52.4 +02.5	06					
07	220 58.3 +02.5	221 57.5 +02.4	222 56.6 +02.5	223 55.7 +02.5	224 54.9 +02.4	07					
08	236 00.8 +02.5	236 59.9 +02.5	237 59.1 +02.4	238 58.2 +02.5	239 57.3 +02.5	08					
09	251 03.3 +02.4	252 02.4 +02.5	253 01.5 +02.5	254 00.7 +02.4	255 59.8 +02.5	09					
10	266 05.7 +02.5	267 04.9 +02.4	268 04.0 +02.5	269 03.1 +02.5	270 02.3 +02.4	10					
11	281 08.2 +02.4	282 07.3 +02.5	283 06.5 +02.4	284 05.6 +02.5	285 04.7 +02.5	11					
12	296 10.6 +02.5	297 09.8 +02.4	298 08.9 +02.5	299 08.1 +02.4	300 07.2 +02.5	12					
13	311 13.1 +02.5	312 12.2 +02.5	313 11.4 +02.4	314 10.5 +02.5	315 09.7 +02.4	13					
14	326 15.6 +02.4	327 14.7 +02.5	328 13.8 +02.5	329 13.0 +02.5	330 12.1 +02.5	14					
15	341 18.0 +02.5	342 17.2 +02.4	343 16.3 +02.5	344 15.5 +02.4	345 14.6 +02.5	15					
16	356 20.5 +02.5	357 19.6 +02.5	358 18.8 +02.4	359 17.9 +02.5	0 17.1 +02.4	16					
17	11 23.0 +02.4	12 22.1 +02.5	13 21.2 +02.5	14 20.4 +02.4	15 19.5 +02.5	17					
18	26 25.4 +02.5	27 24.6 +02.4	28 23.7 +02.5	29 22.8 +02.5	30 22.0 +02.4	18					
19	41 27.9 +02.5	42 27.0 +02.5	43 26.2 +02.4	44 25.3 +02.5	45 24.4 +02.5	19					
20	56 30.4 +02.4	57 29.5 +02.5	58 28.6 +02.5	59 27.8 +02.4	60 26.9 +02.5	20					
21	71 32.8 +02.5	72 32.0 +02.4	73 31.1 +02.5	74 30.2 +02.5	75 29.4 +02.4	21					
22	86 35.3 +02.4	87 34.4 +02.5	88 33.6 +02.4	89 32.7 +02.5	90 31.8 +02.5	22					
23	101 37.7 +02.5	102 36.9 +02.5	103 36.0 +02.5	104 35.2 +02.4	105 34.3 +02.5	23					

	SHA	Dec		SHA	Dec	
	° ,	° ,		° ,	° ,	
Alpheratz	357 35.0	N 29 13.9	Gienah	175 43.3	S 17 40.9	
Ankaa	353 07.4	S 42 10.3	Acrux	172 59.7	S 63 14.1	
Schedir	349 31.3	N 56 40.7	Gacrux	171 51.3	S 57 14.9	
Diphda	348 47.5	S 17 51.1	Alioth	166 12.7	N 55 49.1	
Achernar	335 20.3	S 57 06.8	Spica	158 22.1	S 11 17.6	
Hamal	327 51.2	N 23 35.0	Alkaid	152 51.8	N 49 10.9	
Polaris	313 58.0	N 89 22.5	Hadar	148 35.8	S 60 29.4	
Acamar	315 11.6	S 40 12.5	Menkent	147 57.2	S 36 29.2	
Menkar	314 06.0	N 04 11.3	Arcturus	145 47.4	N 19 03.7	
Mirfak	308 28.1	N 49 57.2	Rigel Kentaurus	139 37.3	S 60 56.3	
Aldebaran	290 39.4	N 16 33.7	Zubenelgenubi	136 56.0	S 16 08.7	
Capella	280 21.5	N 46 01.7	Kocab	137 19.8	N 74 02.8	
Rigel	281 03.6	S 08 10.4	Alphecca	126 03.9	N 26 37.6	
Bellatrix	278 22.5	N 06 22.3	Antares	112 16.0	S 26 29.2	
Elnath	278 01.5	N 28 37.8	Atria	107 10.5	S 69 04.1	
Alnilam	275 37.4	S 01 11.2	Sabik	102 02.9	S 15 45.4	
Betelgeuze	270 51.8	N 07 24.7	Shaula	96 10.6	S 37 07.3	
Canopus	263 51.9	S 52 42.7	Rasalhague	95 58.8	N 12 32.5	
Sirius	258 25.7	S 16 44.6	Etamin	90 42.6	N 51 28.9	
Adhara	255 05.5	S 29 00.4	Kaus Australis	83 32.8	S 34 22.3	
Castor	245 56.5	N 31 50.0	Vega	80 33.7	N 38 48.1	
Procyon	244 50.2	N 05 10.0	Nunki	75 48.0	S 26 15.9	
Pollux	243 16.5	N 27 57.9	Albireo	67 04.4	N 28 00.6	
Avior	234 14.1	S 59 35.4	Altair	62 00.4	N 08 55.8	
Suhail	222 45.8	S 43 32.0	Peacock	53 06.2	S 56 39.3	
Miplacidus	221 37.2	S 69 49.2	Deneb	49 26.2	N 45 22.2	
Alphard	217 47.4	S 08 46.1	Enif	33 39.1	N 09 59.3	
Regulus	207 33.9	N 11 50.6	Alnair	27 33.3	S 46 50.5	
Dubhe	193 40.2	N 61 36.7	Formalhaut	15 14.9	S 29 29.5	
Denebola	182 24.5	N 14 25.8	Markab	13 30.1	N 15 20.4	

	SHA	Dec		SHA	Dec	
	° ,	° ,		° ,	° ,	
Alpheratz	357 34.9	N 29 13.9	Gienah	175 43		

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

UT	day 21 of 365		day 22 of 365		day 23 of 365		day 24 of 365		day 25 of 365		UT	
	<b>January 21</b>		<b>January 22</b>		<b>January 23</b>		<b>January 24</b>		<b>January 25</b>			
	GHA	ddGHA										
00	120	36.8	+02.4	121	35.9	+02.5	122	35.0	+02.5	123	34.2	+02.4
01	135	39.2	+02.5	136	38.4	+02.4	137	37.5	+02.5	138	36.6	+02.5
02	150	41.7	+02.5	151	40.8	+02.5	152	40.0	+02.4	153	39.1	+02.5
03	165	44.2	+02.4	166	43.3	+02.5	167	42.4	+02.5	168	41.6	+02.4
04	180	46.6	+02.5	181	45.8	+02.4	182	44.9	+02.5	183	44.0	+02.5
05	195	49.1	+02.4	196	48.2	+02.5	197	47.4	+02.4	198	46.5	+02.5
06	210	51.5	+02.5	211	50.7	+02.5	212	49.8	+02.5	213	49.0	+02.4
07	225	54.0	+02.5	226	53.2	+02.4	227	52.3	+02.5	228	51.4	+02.5
08	240	56.5	+02.4	241	55.6	+02.5	242	54.8	+02.4	243	53.9	+02.5
09	255	58.9	+02.5	256	58.1	+02.4	257	57.2	+02.5	258	56.4	+02.4
10	271	61.4	+02.5	272	60.5	+02.5	272	59.7	+02.4	273	58.8	+02.5
11	286	63.9	+02.4	287	63.0	+02.5	288	62.1	+02.5	289	61.3	+02.5
12	301	66.3	+02.5	302	65.5	+02.4	303	64.6	+02.5	304	63.8	+02.4
13	316	68.8	+02.5	317	67.9	+02.5	318	67.1	+02.4	319	66.2	+02.5
14	331	71.3	+02.4	332	70.4	+02.5	333	69.5	+02.5	334	68.7	+02.4
15	346	73.7	+02.5	347	72.9	+02.4	348	72.0	+02.5	349	71.1	+02.5
16	1	76.2	+02.5	2	75.3	+02.5	3	74.5	+02.4	4	73.6	+02.5
17	16	78.7	+02.4	17	77.8	+02.5	18	76.9	+02.5	19	76.1	+02.4
18	31	81.1	+02.5	32	80.3	+02.4	33	79.4	+02.5	34	78.5	+02.5
19	46	83.6	+02.4	47	82.7	+02.5	48	81.9	+02.4	49	81.0	+02.5
20	61	26.0	+02.5	62	25.2	+02.4	63	24.3	+02.5	64	23.5	+02.4
21	76	28.5	+02.5	77	27.6	+02.5	78	26.8	+02.5	79	25.9	+02.5
22	91	31.0	+02.4	92	30.1	+02.5	93	29.3	+02.4	94	28.4	+02.5
23	106	33.4	+02.5	107	32.6	+02.4	108	31.7	+02.5	109	30.9	+02.4

UT	day 26 of 365		day 27 of 365		day 28 of 365		day 29 of 365		day 30 of 365		UT	
	<b>January 26</b>		<b>January 27</b>		<b>January 28</b>		<b>January 29</b>		<b>January 30</b>			
	GHA	ddGHA										
00	125	32.5	+02.4	126	31.6	+02.5	127	30.7	+02.5	128	29.9	+02.4
01	140	34.9	+02.5	141	34.1	+02.4	142	33.2	+02.5	143	32.3	+02.5
02	155	37.4	+02.5	156	36.5	+02.5	157	35.7	+02.4	158	34.8	+02.5
03	170	39.9	+02.4	171	39.0	+02.5	172	38.1	+02.5	173	37.3	+02.4
04	185	42.3	+02.5	186	41.5	+02.4	187	40.6	+02.5	188	39.7	+02.5
05	200	44.8	+02.4	201	43.9	+02.5	202	43.1	+02.4	203	42.2	+02.5
06	215	47.2	+02.5	216	46.4	+02.5	217	45.5	+02.5	218	44.7	+02.4
07	230	49.7	+02.5	231	48.9	+02.4	232	48.0	+02.5	233	47.1	+02.5
08	245	52.2	+02.4	246	51.3	+02.5	247	50.5	+02.4	248	49.6	+02.5
09	260	54.6	+02.5	261	53.8	+02.4	262	52.9	+02.5	263	52.1	+02.5
10	275	57.1	+02.5	276	56.2	+02.5	277	55.4	+02.5	278	54.5	+02.5
11	290	59.6	+02.4	291	58.7	+02.5	292	57.9	+02.4	293	57.0	+02.5
12	306	02.0	+02.5	307	01.2	+02.4	308	00.3	+02.5	309	59.5	+02.4
13	321	04.5	+02.5	322	03.6	+02.5	323	02.8	+02.4	325	01.1	+02.4
14	336	07.0	+02.4	337	06.1	+02.5	338	05.2	+02.5	340	03.5	+02.5
15	351	09.4	+02.5	352	08.6	+02.4	353	07.7	+02.5	355	06.8	+02.5
16	6	11.9	+02.5	7	11.0	+02.5	8	10.2	+02.4	9	09.3	+02.5
17	21	14.4	+02.4	22	13.5	+02.5	23	12.6	+02.5	24	11.8	+02.4
18	36	16.8	+02.5	37	16.0	+02.4	38	15.1	+02.5	39	14.2	+02.5
19	51	19.3	+02.4	52	18.4	+02.5	53	17.6	+02.4	54	16.7	+02.5
20	66	21.7	+02.5	67	20.9	+02.5	68	20.0	+02.5	69	19.2	+02.4
21	81	24.2	+02.5	82	23.4	+02.4	83	22.5	+02.5	84	21.6	+02.5
22	96	26.7	+02.4	97	25.8	+02.5	98	25.0	+02.4	99	24.1	+02.5
23	111	29.1	+02.5	112	28.3	+02.4	113	27.4	+02.5	114	26.6	+02.4

	SHA	Dec		SHA	Dec						
	° ,	° ,		° ,	° ,						
Alpheratz	357	35.0	N	29	13.9	Gienah	175	43.3	S	17	40.9
Ankaa	353	07.4	S	42	10.3	Acrux	172	59.8	S	63	14.1
Schedir	349	31.3	N	56	40.7	Gacrux	171	51.5	S	57	14.9
Diphda	348	47.4	S	17	51.1	Alioth	166	12.8	N	55	49.1
Achernar	335	20.2	S	57	06.8	Spica	158	22.2	S	11	17.5
Hamal	327	51.2	N	23	35.0	Alkaid	152	51.8	N	49	11.0
Polaris	313	53.5	N	89	22.5	Hadar	148	35.9	S	60	29.4
Acamar	315	11.6	S	40	12.5	Menket	147	57.2	S	36	29.2
Menkar	314	06.0	N	04	11.3	Arcturus	145	47.4	N	19	03.7
Mirfak	308	28.0	N	49	57.2	Rigel Kentaurus	139	37.4	S	60	56.3
Aldebaran	290	39.4	N	16	33.7	Zubenelgenubi	136	56.0	S	16	08.7
Capella	280	21.5	N	46	01.7	Kocab	137	19.9	N	74	02.7
Rigel	281	03.6	S	08	10.4	Alphecca	126	03.9	N	26	37.6
Bellatrix	278	22.6	N	06	22.3	Antares	112	16.1	S	26	29.2
Elnath	278	01.5	N	28	37.8	Atria	107	10.6	S	69	04.1
Alnilam	275	37.4	S	01	11.2	Sabik	102	03.0	S	15	45.4
Betelgeuze	270	51.8	N	07	24.7	Shaula	96	10.6	S	37	07.2
Canopus	263	51.9	S	52	42.6	Rasalhague	95	58.8	N	12	32.4
Sirius	258	25.7	S	16	44.6	Etamin	90	42.6	N	51	28.9
Adhara	255	05.5	S	29	00.4	Kaus Australis	83	32.8	S	34	22.3
Castor	245	56.5	N	31	50.0	Vega	80	33.7	N	38	48.1
Procyon	244	50.2	N	05	10.0	Nunki	75	48.0	S	26	15.9
Pollux	243	16.5	N	27	57.9	Albireo	67	04.4	N	28	00.6
Avior	234	14.1	S	59	35.3	Altair	62	00.4	N	08	55.8
Suhail	222	45.8	S	43	32.0	Peacock	53	06.2	S	56	39.3
Miaplacidus	221	37.2	S	69	49.1	Deneb	49	26.3	N	45	22.1
Alphard	217	47.4	S	08	46.1	Enif	33	39.1	N	09	59.3
Regulus	207	34.0	N	11	50.6	Alnair	27	33.3	S	46	50.5
Dubhe	193	40.3	N	61	36.7	Formalhaut	15	14.9	S	29	29.5
Denebola	182	24.5	N	14	25.8	Markab	13	30.1	N	15	20.4

	SHA	Dec		SHA	Dec	
	° ,					

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

	day 51 of 365	day 52 of 365	day 53 of 365	day 54 of 365	day 55 of 365	
UT	GHA ddGHA	UT				
00	150 10.9 +02.5	151 10.1 +02.4	152 09.2 +02.5	153 08.4 +02.4	154 07.5 +02.5	00
01	165 13.4 +02.5	166 12.5 +02.5	167 11.7 +02.4	168 10.8 +02.5	169 10.0 +02.4	01
02	180 15.9 +02.4	181 15.0 +02.5	182 14.1 +02.5	183 13.3 +02.4	184 12.4 +02.5	02
03	195 18.3 +02.5	196 17.5 +02.4	197 16.6 +02.5	198 15.7 +02.5	199 14.9 +02.5	03
04	210 20.8 +02.5	211 19.9 +02.5	212 19.1 +02.4	213 18.2 +02.5	214 17.4 +02.4	04
05	225 23.3 +02.4	226 22.4 +02.5	227 21.5 +02.5	228 20.7 +02.4	229 19.8 +02.5	05
06	240 25.7 +02.5	241 24.9 +02.4	242 24.0 +02.5	243 23.1 +02.5	244 22.3 +02.4	06
07	255 28.2 +02.4	256 27.3 +02.5	257 26.5 +02.4	258 25.6 +02.5	259 24.7 +02.5	07
08	270 30.6 +02.5	271 29.8 +02.5	272 28.9 +02.5	273 28.1 +02.4	274 27.2 +02.5	08
09	285 33.1 +02.5	286 32.3 +02.4	287 31.4 +02.5	288 30.5 +02.5	289 29.7 +02.4	09
10	300 35.6 +02.4	301 34.7 +02.5	302 33.9 +02.4	303 33.0 +02.5	304 32.1 +02.5	10
11	315 38.0 +02.5	316 37.2 +02.4	317 36.3 +02.5	318 35.5 +02.4	319 34.6 +02.5	11
12	330 40.5 +02.5	331 39.6 +02.5	332 38.8 +02.4	333 37.9 +02.5	334 37.1 +02.4	12
13	345 43.0 +02.4	346 42.1 +02.5	347 41.2 +02.5	348 40.4 +02.5	349 39.5 +02.5	13
14	0 45.4 +02.5	1 44.6 +02.4	2 43.7 +02.5	3 42.9 +02.4	4 42.0 +02.5	14
15	15 47.9 +02.5	16 47.0 +02.5	17 46.2 +02.4	18 45.3 +02.5	19 44.5 +02.4	15
16	30 50.4 +02.4	31 49.5 +02.5	32 48.6 +02.5	33 47.8 +02.4	34 46.9 +02.5	16
17	45 52.8 +02.5	46 52.0 +02.4	47 51.1 +02.5	48 50.2 +02.5	49 49.4 +02.5	17
18	60 55.3 +02.5	61 54.4 +02.5	62 53.6 +02.4	63 52.7 +02.5	64 51.9 +02.4	18
19	75 57.8 +02.4	76 56.9 +02.5	77 56.0 +02.5	78 55.2 +02.4	79 54.3 +02.5	19
20	91 00.2 +02.5	91 59.4 +02.4	92 58.5 +02.5	93 57.6 +02.5	94 56.8 +02.4	20
21	106 02.7 +02.4	107 01.8 +02.5	108 01.0 +02.4	109 00.1 +02.5	109 59.2 +02.5	21
22	121 05.1 +02.5	122 04.3 +02.5	123 03.4 +02.5	124 02.6 +02.4	125 01.7 +02.5	22
23	136 07.6 +02.5	137 06.8 +02.4	138 05.9 +02.5	139 05.0 +02.5	140 04.2 +02.4	23

	day 36 of 365	day 37 of 365	day 38 of 365	day 39 of 365	day 40 of 365	
UT	GHA ddGHA	UT				
00	135 23.9 +02.4	136 23.0 +02.5	137 22.1 +02.5	138 21.3 +02.4	139 20.4 +02.5	00
01	150 26.3 +02.5	151 25.5 +02.4	152 24.6 +02.5	153 23.7 +02.5	154 22.9 +02.4	01
02	165 28.8 +02.4	166 27.9 +02.5	167 27.1 +02.4	168 26.2 +02.5	169 25.3 +02.5	02
03	180 31.2 +02.5	181 30.4 +02.4	182 29.5 +02.5	183 28.7 +02.4	184 27.8 +02.5	03
04	195 33.7 +02.5	196 32.8 +02.5	197 32.0 +02.5	198 31.1 +02.5	199 30.3 +02.4	04
05	210 36.2 +02.4	211 35.3 +02.5	212 34.5 +02.4	213 33.6 +02.5	214 32.7 +02.5	05
06	225 38.6 +02.5	226 37.8 +02.4	227 36.9 +02.5	228 36.1 +02.4	229 35.2 +02.5	06
07	240 41.1 +02.5	241 40.2 +02.5	242 39.4 +02.4	243 38.5 +02.5	244 37.7 +02.4	07
08	255 43.6 +02.4	256 42.7 +02.5	257 41.8 +02.5	258 41.0 +02.5	259 40.1 +02.5	08
09	270 46.0 +02.5	271 45.2 +02.4	272 44.3 +02.5	273 43.5 +02.4	274 42.6 +02.5	09
10	285 48.5 +02.5	286 47.6 +02.5	287 46.8 +02.4	288 45.9 +02.5	289 45.1 +02.4	10
11	300 51.0 +02.4	301 50.1 +02.5	302 49.2 +02.5	303 48.4 +02.4	304 47.5 +02.5	11
12	315 53.4 +02.5	316 52.6 +02.4	317 51.7 +02.5	318 50.8 +02.5	319 50.0 +02.4	12
13	330 55.9 +02.5	331 55.0 +02.5	332 54.2 +02.4	333 53.3 +02.5	334 52.4 +02.5	13
14	345 58.4 +02.4	346 57.5 +02.5	347 56.6 +02.5	348 55.8 +02.4	349 54.9 +02.5	14
15	1 00.8 +02.5	1 60.0 +02.4	2 59.1 +02.5	3 58.2 +02.5	4 57.4 +02.4	15
16	16 03.3 +02.4	17 02.4 +02.5	18 01.6 +02.4	19 00.7 +02.5	19 59.8 +02.5	16
17	31 05.7 +02.5	32 04.9 +02.4	33 04.0 +02.5	34 03.2 +02.4	35 02.3 +02.5	17
18	46 08.2 +02.5	47 07.3 +02.5	48 06.5 +02.5	49 05.6 +02.5	50 04.8 +02.4	18
19	61 10.7 +02.4	62 09.8 +02.5	63 09.0 +02.4	64 08.1 +02.5	65 07.2 +02.5	19
20	76 13.1 +02.5	77 12.3 +02.4	78 11.4 +02.5	79 10.6 +02.4	80 09.7 +02.5	20
21	91 15.6 +02.5	92 14.7 +02.5	93 13.9 +02.4	94 13.0 +02.5	95 12.2 +02.4	21
22	106 18.1 +02.4	107 17.2 +02.5	108 16.3 +02.5	109 15.5 +02.5	110 14.6 +02.5	22
23	121 20.5 +02.5	122 19.7 +02.4	123 18.8 +02.5	124 18.0 +02.4	125 17.1 +02.5	23

	SHA ° ,'	Dec ° ,'		SHA ° ,'	Dec ° ,'	
Alpheratz	357 35.0	N 29 13.8	Gienah	175 43.2	S 17 41.0	
Ankaa	353 07.5	S 42 10.2	Acrux	172 59.5	S 63 14.2	
Schedir	349 31.4	N 56 40.7	Gacrux	171 51.1	S 57 15.0	
Diphda	348 47.5	S 17 51.1	Alioth	166 12.5	N 55 49.1	
Achernar	335 20.5	S 57 06.8	Spica	158 22.0	S 11 17.6	
Hamal	327 51.3	N 23 35.0	Alkaid	152 51.6	N 49 11.0	
Polaris	314 07.7	N 89 22.5	Hadar	148 35.6	S 60 29.5	
Acamar	315 11.7	S 40 12.5	Menkent	147 57.0	S 36 29.3	
Menkar	314 06.1	N 04 11.3	Arcturus	145 47.2	N 19 03.7	
Mirfak	308 28.2	N 49 57.2	Rigel Kentaurus	139 37.0	S 60 56.4	
Aldebaran	290 39.5	N 16 33.7	Zubenelgenubi	136 55.8	S 16 08.8	
Capella	280 21.6	N 46 01.7	Kocab	137 19.4	N 74 02.7	
Rigel	281 03.7	S 08 10.5	Alphecca	126 03.7	N 26 37.5	
Bellatrix	278 22.6	N 06 22.3	Antares	112 15.9	S 26 29.2	
Elnath	278 01.6	N 28 37.9	Atria	107 10.1	S 69 04.1	
Alnilam	275 37.5	S 01 11.2	Sabik	102 02.8	S 15 45.5	
Betelgeuze	270 51.8	N 07 24.6	Shaula	96 10.4	S 37 07.2	
Canopus	263 52.0	S 52 42.7	Rasalhague	95 58.6	N 12 32.4	
Sirius	258 25.7	S 16 44.7	Etamin	90 42.4	N 51 28.8	
Adhara	255 05.5	S 29 00.5	Kaus Australis	83 32.7	S 34 22.3	
Castor	245 56.5	N 31 50.0	Vega	80 33.6	N 38 48.0	
Procyon	244 50.2	N 05 10.0	Nunki	75 47.9	S 26 15.9	
Pollux	243 16.5	N 27 57.9	Albireo	67 04.3	N 28 00.5	
Avior	234 14.1	S 59 35.5	Altair	62 00.3	N 08 55.8	
Suhail	222 45.8	S 43 32.1	Peacock	53 06.1	S 56 39.2	
Miaplacidus	221 37.2	S 69 49.3	Deneb	49 26.2	N 45 22.1	
Alphard	217 47.3	S 08 46.2	Enif	33 39.0	N 09 59.3	
Regulus	207 33.9	N 11 50.5	Alnair	27 33.3	S 46 50.4	
Dubhe	193 40.1	N 61 36.8	Formalhaut	15 14.9	S 29 29.5	
Denebola	182 24.4	N 14 25.8	Markab	13 30.1	N 15 20.4	

	SHA ° ,'	Dec ° ,'		SHA ° ,'	Dec ° ,'	
Alpheratz	357 35.0	N 29 13.9	Gienah	175 43.2	S 17 40.9	
Ankaa	353 07.4	S 42 10.3	Acrux	172 59.6	S 63 14.1	
Schedir	349 31.4	N 56 40.7	Gacrux	171 51.3	S 57 15.0	
Diphda	348 47.5	S 17 51.1	Alioth	166 12.7	N 55 49.1	
Achernar	335 20.4	S 57 06.8	Spica	158 22.1	S 11 17.6	
Hamal	327 51.3	N 23 35.0	Alkaid	152 51.7	N 49 10.9	
Polaris	314 00.5	N 89 22.5	Hadar	148 35.8	S 60 29.4	
Acamar	315 11.7	S 40 12.5	Menkent	147 57.1	S 36 29.2	
Menkar	314 06.1	N 04 11.3	Arcturus	145 47.4	N 19 03.7	
Mirfak	308 28.1	N 49 57.2	Rigel Kentaurus	139 37.2	S 60 56.3	
Aldebaran	290 39.4	N 16 33.7	Zubenelgenubi	136 55.9	S 16 08.8	
Capella	280 21.5	N 46 01.7	Kocab	137 19.7	N 74 02.7	
Rigel	281 03.6	S 08 10.5	Alphecca	126 03.8	N 26 37.6	
Bellatrix	278 22.6	N 06 22.3	Antares	112 16.0	S 26 29.2	
Elnath	278 01.6	N 28 37.8	Atria	107 10.4	S 69 04.1	
Alnilam	275 37.4	S 01 11.2	Sabik	102 02.9	S 15 45.4	
Betelgeuze	270 51.8	N 07 24.7	Shaula	96 10.5	S 37 07.2	
Canopus	263 51.9	S 52 42.7	Rasalhague	95 58.7	N 12 32.4	
Sirius	258 25.7	S 16 44.6	Etamin	90 42.5	N 51 28.8	
Adhara	255 05.5	S 29 00.5	Kaus Australis	83 32.7	S 34 22.3	
Castor	245 56.5	N 31 50.0	Vega	80 33.6	N 38 48.0	
Procyon	244 50.2	N 05 10.0	Nunki	75 48.0	S 26 15.9	
Pollux	243 16.5	N 27 57.9	Albireo	67 04.4	N 28 00.5	
Avior	234 14.1	S 59 35.4	Altair	62 00.4	N 08 55.8	
Suhail	222 45.8	S 43 32.1	Peacock	53 06.2	S 56 39.2	
Miaplacidus	221 37.2	S 69 49.2	Deneb	49 26.2	N 45 22.1	
Alphard	217 47.4	S 08 46.1	Enif	33 39.1	N 09 59.3	
Regulus	207 33.9	N 11 50.6	Alnair	27 33.3	S 46 50.4	</td

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

	day 41 of 365	day 42 of 365	day 43 of 365	day 44 of 365	day 45 of 365	
UT	February 10	February 11	February 12	February 13	February 14	UT
	GHA ddGHA					
00	140 19.6 +02.4	141 18.7 +02.5	142 17.8 +02.5	143 17.0 +02.4	144 16.1 +02.5	00
01	155 22.0 +02.5	156 21.2 +02.4	157 20.3 +02.5	158 19.4 +02.5	159 18.6 +02.4	01
02	170 24.5 +02.4	171 23.6 +02.5	172 22.8 +02.4	173 21.9 +02.5	174 21.0 +02.5	02
03	185 26.9 +02.5	186 26.1 +02.5	187 25.2 +02.5	188 24.4 +02.4	189 23.5 +02.5	03
04	200 29.4 +02.5	201 28.6 +02.4	202 27.7 +02.5	203 26.8 +02.5	204 26.0 +02.4	04
05	215 31.9 +02.4	216 31.0 +02.5	217 30.2 +02.4	218 29.3 +02.5	219 28.4 +02.5	05
06	230 34.3 +02.5	231 33.5 +02.4	232 32.6 +02.5	233 31.8 +02.4	234 30.9 +02.5	06
07	245 36.8 +02.5	246 35.9 +02.5	247 35.1 +02.4	248 34.2 +02.5	249 33.4 +02.4	07
08	260 39.3 +02.4	261 38.4 +02.5	262 37.5 +02.5	263 36.7 +02.4	264 35.8 +02.5	08
09	275 41.7 +02.5	276 40.9 +02.4	277 40.0 +02.5	278 39.1 +02.5	279 38.3 +02.5	09
10	290 44.2 +02.5	291 43.3 +02.5	292 42.5 +02.4	293 41.6 +02.5	294 40.8 +02.4	10
11	305 46.7 +02.4	306 45.8 +02.5	307 44.9 +02.5	308 44.1 +02.4	309 43.2 +02.5	11
12	320 49.1 +02.5	321 48.3 +02.4	322 47.4 +02.5	323 46.5 +02.5	324 45.7 +02.4	12
13	335 51.6 +02.5	336 50.7 +02.5	337 49.9 +02.4	338 49.0 +02.5	339 48.1 +02.5	13
14	350 54.1 +02.4	351 53.2 +02.5	352 52.3 +02.5	353 51.5 +02.4	354 50.6 +02.5	14
15	5 56.5 +02.5	6 55.7 +02.4	7 54.8 +02.5	8 53.9 +02.5	9 53.1 +02.4	15
16	20 59.0 +02.4	21 58.1 +02.5	22 57.3 +02.4	23 56.4 +02.5	24 55.5 +02.5	16
17	36 01.4 +02.5	37 00.6 +02.4	37 59.7 +02.5	38 58.9 +02.4	39 58.0 +02.5	17
18	51 03.9 +02.5	52 03.0 +02.5	53 02.2 +02.5	54 01.3 +02.5	55 00.5 +02.4	18
19	66 06.4 +02.4	67 05.5 +02.5	68 04.7 +02.4	69 03.8 +02.5	70 02.9 +02.5	19
20	81 08.8 +02.5	82 08.0 +02.4	83 07.1 +02.5	84 06.3 +02.4	85 05.4 +02.5	20
21	96 11.3 +02.5	97 10.4 +02.5	98 09.6 +02.4	99 08.7 +02.5	100 07.9 +02.4	21
22	111 13.8 +02.4	112 12.9 +02.5	113 12.0 +02.5	114 11.2 +02.4	115 10.3 +02.5	22
23	126 16.2 +02.5	127 15.4 +02.4	128 14.5 +02.5	129 13.6 +02.5	130 12.8 +02.4	23

	day 46 of 365	day 47 of 365	day 48 of 365	day 49 of 365	day 50 of 365	
UT	February 15	February 16	February 17	February 18	February 19	UT
	GHA ddGHA					
00	145 15.2 +02.5	146 14.4 +02.4	147 13.5 +02.5	148 12.7 +02.4	149 11.8 +02.5	00
01	160 17.7 +02.5	161 16.8 +02.5	162 16.0 +02.4	163 15.1 +02.5	164 14.3 +02.4	01
02	175 20.2 +02.4	176 19.3 +02.5	177 18.4 +02.5	178 17.6 +02.5	179 16.7 +02.5	02
03	190 22.6 +02.5	191 21.8 +02.4	192 20.9 +02.5	193 20.1 +02.4	194 19.2 +02.5	03
04	205 25.1 +02.5	206 24.2 +02.5	207 23.4 +02.4	208 22.5 +02.5	209 21.7 +02.4	04
05	220 27.6 +02.4	221 26.7 +02.5	222 25.8 +02.5	223 25.0 +02.4	224 24.1 +02.5	05
06	235 30.0 +02.5	236 29.2 +02.4	237 28.3 +02.5	238 27.4 +02.5	239 26.6 +02.4	06
07	250 32.5 +02.5	251 31.6 +02.5	252 30.8 +02.4	253 29.9 +02.5	254 29.0 +02.5	07
08	265 35.0 +02.4	266 34.1 +02.5	267 33.2 +02.5	268 32.4 +02.4	269 31.5 +02.5	08
09	280 37.4 +02.5	281 36.6 +02.4	282 35.7 +02.5	283 34.8 +02.4	284 34.0 +02.4	09
10	295 39.9 +02.5	296 39.0 +02.5	297 38.2 +02.4	298 37.3 +02.5	299 36.4 +02.5	10
11	310 42.4 +02.4	311 41.5 +02.5	312 40.6 +02.5	313 39.8 +02.4	314 38.9 +02.5	11
12	325 44.8 +02.5	326 44.0 +02.4	327 43.1 +02.5	328 42.2 +02.5	329 41.4 +02.4	12
13	340 47.3 +02.4	341 46.4 +02.5	342 45.6 +02.4	343 44.7 +02.5	344 43.8 +02.5	13
14	355 49.7 +02.5	356 48.9 +02.4	357 48.0 +02.5	358 47.2 +02.4	359 46.3 +02.5	14
15	10 52.2 +02.5	11 51.3 +02.5	12 50.5 +02.4	13 49.6 +02.5	14 48.8 +02.4	15
16	25 54.7 +02.4	26 53.8 +02.5	27 52.9 +02.5	28 52.1 +02.4	29 51.2 +02.5	16
17	40 57.1 +02.5	41 56.3 +02.4	42 55.4 +02.5	43 54.5 +02.5	44 53.7 +02.5	17
18	55 59.6 +02.5	56 58.7 +02.5	57 57.9 +02.4	58 57.0 +02.5	59 56.2 +02.4	18
19	71 02.1 +02.4	72 01.2 +02.5	73 00.3 +02.5	73 59.5 +02.4	74 58.6 +02.5	19
20	86 04.5 +02.5	87 03.7 +02.4	88 02.8 +02.5	89 01.9 +02.5	90 01.1 +02.4	20
21	101 07.0 +02.5	102 06.1 +02.5	103 05.3 +02.4	104 04.4 +02.5	105 03.5 +02.5	21
22	116 09.5 +02.4	117 08.6 +02.5	118 07.7 +02.5	119 06.9 +02.4	120 06.0 +02.5	22
23	131 11.9 +02.5	132 11.1 +02.4	133 10.2 +02.5	134 09.3 +02.5	135 08.5 +02.4	23

	SHA ° ,'	Dec ° ,'		SHA ° ,'	Dec ° ,'	
Alpheratz	357 35.0	N 29 13.8	Gienah	175 43.2	S 17 40.9	
Ankaa	353 07.4	S 42 10.2	Acrux	172 59.5	S 63 14.1	
Schedir	349 31.4	N 56 40.7	Gacrux	171 51.2	S 57 15.0	
Diphda	348 47.5	S 17 51.1	Alioth	166 12.6	N 55 49.1	
Achernar	335 20.4	S 57 06.8	Spica	158 22.0	S 11 17.6	
Hamal	327 51.3	N 23 35.0	Alkaid	152 51.7	N 49 10.9	
Polaris	314 02.6	N 89 22.5	Hadar	148 35.7	S 60 29.4	
Acamar	315 11.7	S 40 12.5	Menkent	147 57.1	S 36 29.2	
Menkar	314 06.1	N 04 11.3	Arcturus	145 47.3	N 19 03.7	
Mirfak	308 28.1	N 49 57.2	Rigel Kentaurus	139 37.1	S 60 56.3	
Aldebaran	290 39.4	N 16 33.7	Zubenelgenubi	136 55.8	S 16 08.8	
Capella	280 21.6	N 46 01.7	Kocab	137 19.6	N 74 02.7	
Rigel	281 03.6	S 08 10.5	Alphecca	126 03.7	N 26 37.6	
Bellatrix	278 22.6	N 06 22.3	Antares	112 16.0	S 26 29.2	
Elnath	278 01.6	N 28 37.8	Atria	107 10.3	S 69 04.1	
Alnilam	275 37.4	S 01 11.2	Sabik	102 02.9	S 15 45.4	
Betelgeuze	270 51.8	N 07 24.7	Shaula	96 10.5	S 37 07.2	
Canopus	263 52.0	S 52 42.7	Rasalhague	95 58.7	N 12 32.4	
Sirius	258 25.7	S 16 44.6	Etamin	90 42.5	N 51 28.8	
Adhara	255 05.5	S 29 00.5	Kaus Australis	83 32.6	S 34 22.3	
Castor	245 56.5	N 31 50.0	Vega	80 33.5	N 38 48.0	
Procyon	244 50.2	N 05 10.0	Nunki	75 47.9	S 26 15.9	
Pollux	243 16.5	N 27 57.9	Albireo	67 04.3	N 28 00.5	
Avior	234 14.1	S 59 35.5	Altair	62 00.4	N 08 55.8	
Suhail	222 45.8	S 43 32.1	Peacock	53 06.1	S 56 39.2	
Miaplacidus	221 37.2	S 69 49.2	Deneb	49 26.2	N 45 22.0	
Alphard	217 47.3	S 08 46.1	Enif	33 39.0	N 09 59.3	
Regulus	207 33.9	N 11 50.5	Alnair	27 33.3	S 46 50.4	
Dubhe	193 40.1	N 61 36.7	Formalhaut	15 14.9	S 29 24.4	
Denebola	182 24.4	N 14 25.8	Markab	13 30.1	N 15 20.4	

	SHA ° ,'	Dec ° ,'		SHA ° ,'	Dec ° ,'	
Alpheratz	357 35.0	N 29 13.8	Gienah	175 43.2	S 17 41.0	
Ankaa	353 07.5	S 42 10.2	Acrux	172 59.5	S 63 14.2	
Schedir	349 31.4	N 56 40.7	Gacrux	171 51.2	S 57 15.0	
Diphda	348 47.5	S 17 51.1	Alioth	166 12.6	N 55 49.1	
Achernar	335 20.4	S 57 06.8	Spica	158 22.0	S 11 17.6	
Hamal	327 51.3	N 23 35.0	Alkaid	152 51.6	N 49 10.9	
Polaris	314 05.3	N 89 22.5	Hadar	148 35.6	S 60 29.4	
Acamar	315 11.7	S 40 12.5	Menkent	147 57.0	S 36 29.3	
Menkar	314 06.1	N 04 11.3	Arcturus	145 47.3	N 19 03.7	
Mirfak	308 28.2	N 49 57.2	Rigel Kentaurus	139 37.1	S 60 56.3	
Aldebaran	290 39.4	N 16 33.7	Zubenelgenubi	136 55.8	S 16 08.8	
Capella	280 21.6	N 46 01.7	Kocab	137 19.5	N 74 02.7	
Rigel	281 03.6	S 08 10.5	Alphecca	126 03.7	N 26 37.5	
Bellatrix	278 22.6	N 06 22.3	Antares	112 15.9	S 26 29.2	
Elnath	278 01.6	N 28 37.8	Atria	107 10.2	S 69 04.1	
Alnilam	275 37.5	S 01 11.2	Sabik	102 02.8	S 15 45.5	
Betelgeuze	270 51.8	N 07 24.7	Shaula	96 10.4	S 37 07.2	
Canopus	263 52.0	S 52 42.7	Rasalhague	95 58.7	N 12 32.4	
Sirius	258 25.7	S 16 44.7	Etamin	90 42.4	N 51 28.8	
Adhara	255 05.5	S 29 00.5	Kaus Australis	83 32.6	S 34 22.3	
Castor	245 56.5	N 31 50.0	Vega	80 33.5	N 38 48.0	
Procyon	244 50.2	N 05 10.0	Nunki	75 47.9	S 26 15.9	
Pollux	243 16.5	N 27 57.9	Albireo	67 04.3	N 28 00.5	
Avior	234 14.1	S 59 35.5	Altair	62 00.3	N 08 55.8	
Suhail	222 45.8	S 43 32.1	Peacock	53 06.1</		

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

UT	day 71 of 365		day 72 of 365		day 73 of 365		day 74 of 365		day 75 of 365		UT
	March 12	GHA ddGHA	March 13	GHA ddGHA	March 14	GHA ddGHA	March 15	GHA ddGHA	March 16	GHA ddGHA	
00	169	53.7 +02.5	170	52.9 +02.4	171	52.0 +02.5	172	51.1 +02.5	173	50.3 +02.4	00
01	184	56.2 +02.4	185	55.3 +02.5	186	54.5 +02.4	187	53.6 +02.5	188	52.7 +02.5	01
02	199	58.6 +02.5	200	57.8 +02.4	201	56.9 +02.5	202	56.1 +02.4	203	55.2 +02.5	02
03	215	01.1 +02.5	216	00.2 +02.5	216	59.4 +02.4	217	58.5 +02.5	218	57.7 +02.4	03
04	230	03.6 +02.4	231	02.7 +02.5	232	01.8 +02.5	233	01.0 +02.4	234	00.1 +02.5	04
05	245	06.0 +02.5	246	05.2 +02.4	247	04.3 +02.5	248	03.4 +02.5	249	02.6 +02.4	05
06	260	08.5 +02.5	261	07.6 +02.5	262	06.8 +02.4	263	05.9 +02.5	264	05.0 +02.5	06
07	275	11.0 +02.4	276	10.1 +02.5	277	09.2 +02.5	278	08.4 +02.4	279	07.5 +02.5	07
08	290	13.4 +02.5	291	12.6 +02.4	292	11.7 +02.5	293	10.8 +02.5	294	10.0 +02.4	08
09	305	15.9 +02.5	306	15.0 +02.5	307	14.2 +02.4	308	13.3 +02.5	309	12.4 +02.5	09
10	320	18.4 +02.4	321	17.5 +02.5	322	16.6 +02.5	323	15.8 +02.4	324	14.9 +02.5	10
11	335	20.8 +02.5	336	20.0 +02.4	337	19.1 +02.5	338	18.2 +02.5	339	17.4 +02.4	11
12	350	23.3 +02.4	351	22.4 +02.5	352	21.6 +02.4	353	20.7 +02.5	354	19.8 +02.5	12
13	5	25.7 +02.5	6	24.9 +02.4	7	24.0 +02.5	8	23.2 +02.4	9	22.3 +02.5	13
14	20	28.2 +02.5	21	27.3 +02.5	22	26.5 +02.5	23	25.6 +02.5	24	24.8 +02.4	14
15	35	30.7 +02.4	36	29.8 +02.5	37	29.0 +02.4	38	28.1 +02.5	39	27.2 +02.5	15
16	50	33.1 +02.5	51	32.3 +02.4	52	31.4 +02.5	53	30.6 +02.4	54	29.7 +02.5	16
17	65	35.6 +02.5	66	34.7 +02.5	67	33.9 +02.4	68	33.0 +02.5	69	32.2 +02.4	17
18	80	38.1 +02.4	81	37.2 +02.5	82	36.3 +02.5	83	35.5 +02.4	84	34.6 +02.5	18
19	95	40.5 +02.5	96	39.7 +02.4	97	38.8 +02.5	98	37.9 +02.5	99	37.1 +02.4	19
20	110	43.0 +02.5	111	42.1 +02.5	112	41.3 +02.4	113	40.4 +02.5	114	39.5 +02.5	20
21	125	45.5 +02.4	126	44.6 +02.5	127	43.7 +02.5	128	42.9 +02.4	129	42.0 +02.5	21
22	140	47.9 +02.5	141	47.1 +02.4	142	46.2 +02.5	143	45.3 +02.5	144	44.5 +02.4	22
23	155	50.4 +02.5	156	49.5 +02.5	157	48.7 +02.4	158	47.8 +02.5	159	46.9 +02.5	23

UT	day 56 of 365		day 57 of 365		day 58 of 365		day 59 of 365		day 60 of 365		UT
	February 25	GHA ddGHA	February 26	GHA ddGHA	February 27	GHA ddGHA	February 28	GHA ddGHA	March 1	GHA ddGHA	
00	155	06.6 +02.5	156	05.8 +02.4	157	04.9 +02.5	158	04.1 +02.4	159	03.2 +02.5	00
01	170	09.1 +02.5	171	08.2 +02.5	172	07.4 +02.4	173	06.5 +02.5	174	05.7 +02.4	01
02	185	11.6 +02.4	186	10.7 +02.5	187	09.8 +02.5	188	09.0 +02.4	189	08.1 +02.5	02
03	200	14.0 +02.5	201	13.2 +02.4	202	12.3 +02.5	203	11.4 +02.5	204	10.6 +02.4	03
04	215	16.5 +02.5	216	15.6 +02.5	217	14.8 +02.4	218	13.9 +02.5	219	13.0 +02.5	04
05	230	19.0 +02.4	231	18.1 +02.5	232	17.2 +02.5	233	16.4 +02.4	234	15.5 +02.5	05
06	245	21.4 +02.5	246	20.6 +02.4	247	19.7 +02.5	248	18.8 +02.5	249	18.0 +02.4	06
07	260	23.9 +02.4	261	23.0 +02.5	262	22.2 +02.4	263	21.3 +02.5	264	20.4 +02.5	07
08	275	26.3 +02.5	276	25.5 +02.5	277	24.6 +02.5	278	23.8 +02.4	279	22.9 +02.5	08
09	290	28.8 +02.5	291	28.0 +02.4	292	27.1 +02.5	293	26.2 +02.5	294	25.4 +02.4	09
10	305	31.3 +02.4	306	30.4 +02.5	307	29.6 +02.4	308	28.7 +02.5	309	27.8 +02.5	10
11	320	33.7 +02.5	321	32.9 +02.4	322	32.0 +02.5	323	31.2 +02.4	324	30.3 +02.5	11
12	335	36.2 +02.5	336	35.3 +02.5	337	34.5 +02.4	338	33.6 +02.5	339	32.8 +02.4	12
13	350	38.7 +02.4	351	37.8 +02.5	352	36.9 +02.5	353	36.1 +02.4	354	35.2 +02.5	13
14	5	41.1 +02.5	6	40.3 +02.4	7	39.4 +02.5	8	38.5 +02.5	9	37.7 +02.4	14
15	20	43.6 +02.5	21	42.7 +02.5	22	41.9 +02.4	23	41.0 +02.5	24	40.1 +02.5	15
16	35	46.1 +02.4	36	45.2 +02.5	37	44.3 +02.5	38	43.5 +02.4	39	42.6 +02.5	16
17	50	48.5 +02.5	51	47.7 +02.4	52	46.8 +02.5	53	45.9 +02.5	54	45.1 +02.4	17
18	65	51.0 +02.5	66	50.1 +02.5	67	49.3 +02.4	68	48.4 +02.5	69	47.5 +02.5	18
19	80	53.5 +02.4	81	52.6 +02.5	82	51.7 +02.5	83	50.9 +02.4	84	50.0 +02.5	19
20	95	55.9 +02.5	96	55.1 +02.4	97	54.2 +02.5	98	53.3 +02.5	99	52.5 +02.4	20
21	110	58.4 +02.4	111	57.5 +02.5	112	56.7 +02.4	113	55.8 +02.5	114	54.9 +02.5	21
22	126	60.8 +02.5	126	60.0 +02.4	127	59.1 +02.5	128	58.3 +02.4	129	57.4 +02.5	22
23	141	63.3 +02.5	142	62.4 +02.5	143	61.6 +02.5	144	60.7 +02.5	144	59.9 +02.4	23

	SHA °,	Dec °,		SHA °,	Dec °,		SHA °,	Dec °,		SHA °,	Dec °,
Alpheratz	357	35.0	N	29	13.8	Gienah	175	43.1	S	17	41.0
Ankaa	353	07.5	S	42	10.1	Acrux	172	59.3	S	63	14.2
Schedir	349	31.5	N	56	40.6	Gacrux	171	51.0	S	57	15.2
Diphda	348	47.5	S	17	51.1	Alioth	166	12.4	N	55	49.2
Achernar	335	20.6	S	57	06.7	Spica	158	21.9	S	11	17.7
Hamal	327	51.4	N	23	34.9	Alkaid	152	51.4	N	49	11.0
Polaris	314	16.4	N	89	22.5	Hadar	148	35.3	S	60	29.6
Acamar	315	11.8	S	40	12.4	Menkent	147	56.8	S	36	29.3
Menkar	314	06.2	N	04	11.3	Arcturus	145	47.1	N	19	03.7
Mirfak	308	28.3	N	49	57.2	Rigel Kentaurus	139	36.8	S	60	56.4
Aldebaran	290	39.5	N	16	33.7	Zubenelgenubi	136	55.7	S	16	08.8
Capella	280	21.7	N	46	01.7	Kocab	137	19.3	N	74	02.7
Rigel	281	03.7	S	08	10.5	Alphecca	126	03.6	N	26	37.5
Bellatrix	278	22.7	N	06	22.3	Antares	112	15.8	S	26	29.2
Elnath	278	01.7	N	28	37.9	Atria	107	10.0	S	69	04.1
Alnilam	275	37.6	S	01	11.2	Sabik	102	02.7	S	15	45.5
Betelgeuze	270	51.9	N	07	24.6	Shaula	96	10.3	S	37	07.2
Canopus	263	52.2	S	52	42.8	Rasalhague	95	58.6	N	12	32.4
Sirius	258	25.8	S	16	44.7	Etamin	90	42.3	N	51	28.8
Adhara	255	05.6	S	29	00.6	Kaus Australis	83	32.5	S	34	22.3
Castor	245	56.6	N	31	50.1	Vega	80	33.5	N	38	48.0
Procyon	244	50.3	N	05	10.0	Nunki	75	47.8	S	26	15.9
Pollux	243	16.5	N	27	58.0	Albireo	67	04.2	N	28	00.5
Avior	234	14.3	S	59	35.6	Altair	62	00.3	N	08	55.7
Suhail	222	45.8	S	43	32.2	Peacock	53	06.0	S	56	39.2
Miaplacidus	221	37.4	S	69	49.4	Deneb	49	26.2	N	45	22.0
Alphard	217	47.3	S	08	46.2	Enif	33	39.0	N	09	59.3
Regulus	207	33.9	N	11	50.5	Alnair	27	33.3	S	46	50.4
Dubhe	193	40.0	N	61	36.9	Formalhaut	15	14.9	S	29	29.4
Denebola	182	24.3	N	14	25.8	Markab	13	30.1	N	15	20.4

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## 2025 - First Point of Aries / Selected Stars

## 2025 - First Point of Aries / Selected Stars

UT	day 61 of 365		day 62 of 365		day 63 of 365		day 64 of 365		day 65 of 365		UT
	March 2	GHA ddGHA	March 3	GHA ddGHA	March 4	GHA ddGHA	March 5	GHA ddGHA	March 6	GHA ddGHA	
00	160 02.3	+02.5	161 01.5	+02.4	162 00.6	+02.5	162 59.7	+02.5	163 58.9	+02.4	00
01	175 04.8	+02.5	176 03.9	+02.5	177 03.1	+02.4	178 02.2	+02.5	179 01.3	+02.5	01
02	190 07.3	+02.4	191 06.4	+02.5	192 05.5	+02.5	193 04.7	+02.4	194 03.8	+02.5	02
03	205 09.7	+02.5	206 08.9	+02.4	207 08.0	+02.5	208 07.1	+02.5	209 06.3	+02.4	03
04	220 12.2	+02.4	221 11.3	+02.5	222 10.5	+02.4	223 09.6	+02.5	224 08.7	+02.5	04
05	235 14.6	+02.5	236 13.8	+02.4	237 12.9	+02.5	238 12.1	+02.4	239 11.2	+02.5	05
06	250 17.1	+02.5	251 16.2	+02.5	252 15.4	+02.4	253 14.5	+02.5	254 13.7	+02.4	06
07	265 19.6	+02.4	266 18.7	+02.5	267 17.8	+02.5	268 17.0	+02.5	269 16.1	+02.5	07
08	280 22.0	+02.5	281 21.2	+02.4	282 20.3	+02.5	283 19.5	+02.4	284 18.6	+02.5	08
09	295 24.5	+02.5	296 23.6	+02.5	297 22.8	+02.4	298 21.9	+02.5	299 21.1	+02.4	09
10	310 27.0	+02.4	311 26.1	+02.5	312 25.2	+02.5	313 24.4	+02.4	314 23.5	+02.5	10
11	325 29.4	+02.5	326 28.6	+02.4	327 27.7	+02.5	328 26.8	+02.5	329 26.0	+02.4	11
12	340 31.9	+02.5	341 31.0	+02.5	342 30.2	+02.4	343 29.3	+02.5	344 28.4	+02.5	12
13	355 34.4	+02.4	356 33.5	+02.5	357 32.6	+02.5	358 31.8	+02.4	359 30.9	+02.5	13
14	10 36.8	+02.5	11 36.0	+02.4	12 35.1	+02.5	13 34.2	+02.5	14 33.4	+02.4	14
15	25 39.3	+02.4	26 38.4	+02.5	27 37.6	+02.4	28 36.7	+02.5	29 35.8	+02.5	15
16	40 41.7	+02.5	41 40.9	+02.5	42 40.0	+02.5	43 39.2	+02.4	44 38.3	+02.5	16
17	55 44.2	+02.5	56 43.4	+02.4	57 42.5	+02.5	58 41.6	+02.5	59 40.8	+02.4	17
18	70 46.7	+02.4	71 45.8	+02.5	72 45.0	+02.4	73 44.1	+02.5	74 43.2	+02.5	18
19	85 49.1	+02.5	86 48.3	+02.4	87 47.4	+02.5	88 46.6	+02.4	89 45.7	+02.5	19
20	100 51.6	+02.5	101 50.7	+02.5	102 49.9	+02.4	103 49.0	+02.5	104 48.2	+02.4	20
21	115 54.1	+02.4	116 53.2	+02.5	117 52.3	+02.5	118 51.5	+02.4	119 50.6	+02.5	21
22	130 56.5	+02.5	131 55.7	+02.4	132 54.8	+02.5	133 53.9	+02.5	134 53.1	+02.5	22
23	145 59.0	+02.5	146 58.1	+02.5	147 57.3	+02.4	148 56.4	+02.5	149 55.6	+02.4	23

UT	day 66 of 365		day 67 of 365		day 68 of 365		day 69 of 365		day 70 of 365		UT
	March 7	GHA ddGHA	March 8	GHA ddGHA	March 9	GHA ddGHA	March 10	GHA ddGHA	March 11	GHA ddGHA	
00	164 58.0	+02.5	165 57.2	+02.4	166 56.3	+02.5	167 55.4	+02.5	168 54.6	+02.4	00
01	180 00.5	+02.4	180 59.6	+02.5	181 58.8	+02.4	182 57.9	+02.5	183 57.0	+02.5	01
02	195 02.9	+02.5	196 01.2	+02.5	197 01.2	+02.5	198 00.4	+02.4	198 59.5	+02.5	02
03	210 05.4	+02.5	211 04.6	+02.4	212 03.7	+02.5	213 02.8	+02.5	214 02.0	+02.4	03
04	225 07.9	+02.4	226 07.0	+02.5	227 06.2	+02.4	228 05.3	+02.5	229 04.4	+02.5	04
05	240 10.3	+02.5	241 09.5	+02.4	242 08.6	+02.5	243 07.8	+02.4	244 06.9	+02.5	05
06	255 12.8	+02.5	256 11.9	+02.5	257 11.1	+02.4	258 10.2	+02.5	259 09.4	+02.4	06
07	270 15.3	+02.4	271 14.4	+02.5	272 13.5	+02.5	273 12.7	+02.5	274 11.8	+02.5	07
08	285 17.7	+02.5	286 16.9	+02.4	287 16.0	+02.5	288 15.2	+02.4	289 14.3	+02.5	08
09	300 20.2	+02.5	301 19.3	+02.5	302 18.5	+02.4	303 17.6	+02.5	304 16.8	+02.4	09
10	315 22.7	+02.4	316 21.8	+02.5	317 20.9	+02.5	318 20.1	+02.4	319 19.2	+02.5	10
11	330 25.1	+02.5	331 24.3	+02.4	332 23.4	+02.5	333 22.5	+02.5	334 21.7	+02.4	11
12	345 27.6	+02.5	346 26.7	+02.5	347 25.9	+02.4	348 25.0	+02.5	349 24.1	+02.5	12
13	0 30.1	+02.4	1 29.2	+02.5	2 28.3	+02.5	3 27.5	+02.4	4 26.6	+02.5	13
14	15 32.5	+02.5	16 31.7	+02.4	17 30.8	+02.5	18 29.9	+02.5	19 29.1	+02.4	14
15	30 35.0	+02.4	31 34.1	+02.5	32 33.3	+02.4	33 32.4	+02.5	34 31.5	+02.5	15
16	45 37.4	+02.5	46 36.6	+02.4	47 35.7	+02.5	48 34.9	+02.4	49 34.0	+02.5	16
17	60 39.9	+02.5	61 39.0	+02.5	62 38.2	+02.5	63 37.3	+02.5	64 36.5	+02.4	17
18	75 42.4	+02.4	76 41.5	+02.5	77 40.7	+02.4	78 39.8	+02.5	79 38.9	+02.5	18
19	90 44.8	+02.5	91 44.0	+02.4	92 43.1	+02.5	93 42.3	+02.4	94 41.4	+02.5	19
20	105 47.3	+02.5	106 46.4	+02.5	107 45.6	+02.4	108 44.7	+02.5	109 43.9	+02.4	20
21	120 49.8	+02.4	121 48.9	+02.5	122 48.0	+02.5	123 47.2	+02.4	124 46.3	+02.5	21
22	135 52.2	+02.5	136 51.4	+02.4	137 50.5	+02.5	138 49.6	+02.5	139 48.8	+02.5	22
23	150 54.7	+02.5	151 53.8	+02.5	152 53.0	+02.4	153 52.1	+02.5	154 51.3	+02.4	23

	SHA °,	Dec °,		SHA °,	Dec °,		SHA °,	Dec °,		SHA °,	Dec °,	
Alpheratz	357 35.1	N 29 13.8	Gienah	175 43.1	S 17 41.0					Gienah	175 43.1	S 17 41.0
Ankaa	353 07.5	S 42 10.2	Acrux	172 59.4	S 63 14.2					Acrux	172 59.3	S 63 14.3
Schedir	349 31.5	N 56 40.6	Gacrux	171 51.1	S 57 15.1					Gacrux	171 51.0	S 57 15.1
Diphda	348 47.5	S 17 51.1	Alioth	166 12.5	N 55 49.2					Alioth	166 12.4	N 55 49.2
Achernar	335 20.5	S 57 06.7	Spica	158 21.9	S 11 17.7					Spica	158 21.9	S 11 17.7
Hamal	327 51.4	N 23 35.0	Alkaid	152 51.5	N 49 11.0					Alkaid	152 51.4	N 49 11.0
Polaris	314 12.4	N 89 22.5	Hadar	148 35.5	S 60 29.5					Hadar	148 35.4	S 60 29.5
Acamar	315 11.8	S 40 12.5	Menkent	147 56.9	S 36 29.3					Menkent	147 56.9	S 36 29.3
Menkar	314 06.1	N 04 11.3	Arcturus	145 47.2	N 19 03.7					Arcturus	145 47.1	N 19 03.7
Mirfak	308 28.3	N 49 57.2	Rigel Kentaurus	139 36.9	S 60 56.4					Rigel Kentaurus	139 36.8	S 60 56.4
Aldebaran	290 39.5	N 16 33.7	Zubenelgenubi	136 55.7	S 16 08.8					Zubenelgenubi	136 55.6	S 16 08.8
Capella	280 21.7	N 46 01.7	Kocab	137 19.1	N 74 02.7					Kocab	137 19.1	N 74 02.7
Rigel	281 03.7	S 08 10.5	Alphecca	126 03.6	N 26 37.5					Alphecca	126 03.5	N 26 37.5
Bellatrix	278 22.7	N 06 22.3	Antares	112 15.8	S 26 29.3					Antares	112 15.7	S 26 29.3
Elnath	278 01.6	N 28 37.9	Atria	107 09.9	S 69 04.1					Atria	107 09.8	S 69 04.1
Alnilam	275 37.5	S 01 11.2	Sabik	102 02.7	S 15 45.5					Sabik	102 02.7	S 15 45.5
Betelgeuze	270 51.9	N 07 24.6	Shaula	96 10.3	S 37 07.2					Shaula	96 10.2	S 37 07.2
Canopus	263 52.1	S 52 42.8	Rasalhague	95 58.5	N 12 32.3					Rasalhague	95 58.5	N 12 32.3
Sirius	258 25.8	S 16 44.7	Etamin	90 42.3	N 51 28.7					Etamin	90 42.2	N 51 28.7
Adhara	255 05.6	S 29 00.5	Kaus Australis	83 32.5	S 34 22.3					Kaus Australis	83 32.5	S 34 22.3
Castor	245 56.6	N 31 50.1	Vega	80 33.4	N 38 48.0					Vega	80 33.4	N 38 47.9
Procyon	244 50.2	N 05 10.0	Nunki	75 47.8	S 26 15.9					Nunki	75 47.8	S 26 15.9
Pollux	243 16.5	N 27 58.0	Albireo	67 04.2	N 28 00.5					Albireo	67 04.2	N 28 00.5
Avior	234 14.2	S 59 35.6	Altair	62 00.3	N 08 55.7					Altair	62 00.2	N 08 55.7
Suhail	222 45.8	S 43 32.2	Peacock	53 06.0	S 56 39.1					Peacock	53 05.9	S 56 39.1
Miaplacidus	221 37.3	S 69 49.4	Deneb	49 26.1	N 45 22.0					Deneb	49 26.1	N 45 21.9
Alphard	217 47.3	S 08 46.2										

## 2025 - First Point of Aries / Selected Stars

## 2025 - First Point of Aries / Selected Stars

UT	day 91 of 365		day 92 of 365		day 93 of 365		day 94 of 365		day 95 of 365		UT
	April 1	GHA ddGHA	April 2	GHA ddGHA	April 3	GHA ddGHA	April 4	GHA ddGHA	April 5	GHA ddGHA	
00	189 36.5	+02.4	190 35.6	+02.5	191 34.8	+02.4	192 33.9	+02.5	193 33.0	+02.5	00
01	204 38.9	+02.5	205 38.1	+02.4	206 37.2	+02.5	207 36.4	+02.4	208 35.5	+02.5	01
02	219 41.4	+02.5	220 40.5	+02.5	221 39.7	+02.4	222 38.8	+02.5	223 38.0	+02.4	02
03	234 43.9	+02.4	235 43.0	+02.5	236 42.1	+02.5	237 41.3	+02.5	238 40.4	+02.5	03
04	249 46.3	+02.5	250 45.5	+02.4	251 44.6	+02.5	252 43.8	+02.4	253 42.9	+02.5	04
05	264 48.8	+02.5	265 47.9	+02.5	266 47.1	+02.4	267 46.2	+02.5	268 45.4	+02.4	05
06	279 51.3	+02.4	280 50.4	+02.5	281 49.5	+02.5	282 48.7	+02.4	283 47.8	+02.5	06
07	294 53.7	+02.5	295 52.9	+02.4	296 52.0	+02.5	297 51.1	+02.5	298 50.3	+02.4	07
08	309 56.2	+02.5	310 55.3	+02.5	311 54.5	+02.4	312 53.6	+02.5	313 52.7	+02.5	08
09	324 58.7	+02.4	325 57.8	+02.5	326 56.9	+02.5	327 56.1	+02.4	328 55.2	+02.5	09
10	340 01.1	+02.5	341 00.3	+02.4	341 59.4	+02.5	342 58.5	+02.5	343 57.7	+02.4	10
11	355 03.6	+02.4	356 02.7	+02.5	357 01.9	+02.4	358 01.0	+02.5	359 00.1	+02.5	11
12	10 06.0	+02.5	11 05.2	+02.4	12 04.3	+02.5	13 03.5	+02.4	14 02.6	+02.5	12
13	25 08.5	+02.5	26 07.6	+02.5	27 06.8	+02.5	28 05.9	+02.5	29 05.1	+02.4	13
14	40 11.0	+02.4	41 10.1	+02.5	42 09.3	+02.4	43 08.4	+02.5	44 07.5	+02.5	14
15	55 13.4	+02.5	56 12.6	+02.4	57 11.7	+02.5	58 10.9	+02.4	59 10.0	+02.5	15
16	70 15.9	+02.5	71 15.0	+02.5	72 14.2	+02.4	73 13.3	+02.5	74 12.5	+02.4	16
17	85 18.4	+02.4	86 17.5	+02.5	87 16.6	+02.5	88 15.8	+02.5	89 14.9	+02.5	17
18	100 20.8	+02.5	101 20.0	+02.4	102 19.1	+02.5	103 18.3	+02.4	104 17.4	+02.5	18
19	115 23.3	+02.5	116 22.4	+02.5	117 21.6	+02.4	118 20.7	+02.5	119 19.9	+02.4	19
20	130 25.8	+02.4	131 24.9	+02.5	132 24.0	+02.5	133 23.2	+02.4	134 22.3	+02.5	20
21	145 28.2	+02.5	146 27.4	+02.4	147 26.5	+02.5	148 25.6	+02.5	149 24.8	+02.4	21
22	160 30.7	+02.5	161 29.8	+02.5	162 29.0	+02.4	163 28.1	+02.5	164 27.2	+02.5	22
23	175 33.2	+02.4	176 32.3	+02.5	177 31.4	+02.5	178 30.6	+02.4	179 29.7	+02.5	23

UT	day 76 of 365		day 77 of 365		day 78 of 365		day 79 of 365		day 80 of 365		UT
	March 17	GHA ddGHA	March 18	GHA ddGHA	March 19	GHA ddGHA	March 20	GHA ddGHA	March 21	GHA ddGHA	
00	174 49.4	+02.5	175 48.5	+02.5	176 47.7	+02.4	177 46.8	+02.5	178 46.0	+02.4	00
01	189 51.9	+02.4	190 51.0	+02.5	191 50.1	+02.5	192 49.3	+02.4	193 48.4	+02.5	01
02	204 54.3	+02.5	205 53.5	+02.4	206 52.6	+02.5	207 51.7	+02.5	208 50.9	+02.4	02
03	219 56.8	+02.5	220 55.9	+02.5	221 55.1	+02.4	222 54.2	+02.5	223 53.3	+02.5	03
04	234 59.3	+02.4	235 58.4	+02.5	236 57.5	+02.5	237 56.7	+02.4	238 55.8	+02.5	04
05	250 01.7	+02.5	251 00.9	+02.4	251 60.0	+02.5	252 59.1	+02.5	253 58.3	+02.4	05
06	265 04.2	+02.4	266 03.3	+02.5	267 02.5	+02.4	268 01.6	+02.5	269 00.7	+02.5	06
07	280 06.6	+02.5	281 05.8	+02.4	282 04.9	+02.5	283 04.1	+02.4	284 03.2	+02.5	07
08	295 09.1	+02.5	296 08.2	+02.5	297 07.4	+02.5	298 06.5	+02.5	299 05.7	+02.4	08
09	310 11.6	+02.4	311 10.7	+02.5	312 09.9	+02.4	313 09.0	+02.5	314 08.1	+02.5	09
10	325 14.0	+02.5	326 13.2	+02.4	327 12.3	+02.5	328 11.5	+02.4	329 10.6	+02.5	10
11	340 16.5	+02.5	341 15.6	+02.5	342 14.8	+02.4	343 13.9	+02.5	344 13.1	+02.4	11
12	355 19.0	+02.4	356 18.1	+02.5	357 17.2	+02.5	358 16.4	+02.4	359 15.5	+02.5	12
13	10 21.4	+02.5	11 20.6	+02.4	12 19.7	+02.5	13 18.8	+02.5	14 18.0	+02.5	13
14	25 23.9	+02.5	26 23.0	+02.5	27 22.2	+02.4	28 21.3	+02.5	29 20.5	+02.4	14
15	40 26.4	+02.4	41 25.5	+02.5	42 24.6	+02.5	43 23.8	+02.4	44 22.9	+02.5	15
16	55 28.8	+02.5	56 28.0	+02.4	57 27.1	+02.5	58 26.2	+02.5	59 25.4	+02.4	16
17	70 31.3	+02.5	71 30.4	+02.5	72 29.6	+02.4	73 28.7	+02.5	74 27.8	+02.5	17
18	85 33.8	+02.4	86 32.9	+02.5	87 32.0	+02.5	88 31.2	+02.4	89 30.3	+02.5	18
19	100 36.2	+02.5	101 35.4	+02.4	102 34.5	+02.5	103 33.6	+02.5	104 32.8	+02.4	19
20	115 38.7	+02.4	116 37.8	+02.5	117 37.0	+02.4	118 36.1	+02.5	119 35.2	+02.5	20
21	130 41.1	+02.5	131 40.3	+02.4	132 39.4	+02.5	133 38.6	+02.4	134 37.7	+02.5	21
22	145 43.6	+02.5	146 42.7	+02.5	147 41.9	+02.4	148 41.0	+02.5	149 40.2	+02.4	22
23	160 46.1	+02.4	161 45.2	+02.5	162 44.3	+02.5	163 43.5	+02.5	164 42.6	+02.5	23

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357 35.0	N 29 13.7	Gienah	175 43.0	S 17 41.1					Gienah	175 43.1	S 17 41.0
Ankaa	353 07.5	S 42 10.0	Acrux	172 59.2	S 63 14.4					Acrux	172 59.3	S 63 14.3
Schedir	349 31.5	N 56 40.5	Gacrux	171 51.0	S 57 15.3					Gacrux	171 51.0	S 57 15.2
Diphda	348 47.5	S 17 51.0	Alioth	166 12.3	N 55 49.3					Alioth	166 12.4	N 55 49.2
Achernar	335 20.6	S 57 06.6	Spica	158 21.8	S 11 17.7					Spica	158 21.8	S 11 17.7
Hamal	327 51.4	N 23 34.9	Alkaid	152 51.3	N 49 11.1					Alkaid	152 51.4	N 49 11.0
Polaris	314 23.1	N 89 22.4	Hadar	148 35.2	S 60 29.7					Hadar	148 35.3	S 60 29.6
Acamar	315 11.9	S 40 12.4	Menkent	147 56.7	S 36 29.4					Menkent	147 56.8	S 36 29.4
Menkar	314 06.2	N 04 11.3	Arcturus	145 47.0	N 19 03.7					Arcturus	145 47.1	N 19 03.7
Mirfak	308 28.4	N 49 57.1	Rigel Kentaurus	139 36.6	S 60 56.5					Rigel Kentaurus	139 36.7	S 60 56.5
Aldebaran	290 39.6	N 16 33.7	Zubenelgenubi	136 55.5	S 16 08.9					Zubenelgenubi	136 55.6	S 16 08.8
Capella	280 21.9	N 46 01.7	Kocab	137 18.7	N 74 02.8					Kocab	137 18.9	N 74 02.8
Rigel	281 03.8	S 08 10.5	Alphecca	126 03.4	N 26 37.6					Alphecca	126 03.5	N 26 37.5
Bellatrix	278 22.8	N 06 22.3	Antares	112 15.5	S 26 29.3					Antares	112 15.7	S 26 29.3
Elnath	278 01.8	N 28 37.8	Atria	107 09.3	S 69 04.1					Atria	107 09.6	S 69 04.1
Alnilam	275 37.7	S 01 11.2	Sabik	102 02.5	S 15 45.5					Sabik	102 02.6	S 15 45.5
Betelgeuze	270 52.0	N 07 24.6	Shaula	96 10.0	S 37 07.3					Shaula	96 10.1	S 37 07.2
Canopus	263 52.4	S 52 42.8	Rasalhague	95 58.3	N 12 32.3					Rasalhague	95 58.4	N 12 32.3
Sirius	258 25.9	S 16 44.7	Etamin	90 42.0	N 51 28.7					Etamin	90 42.1	N 51 28.7
Adhara	255 05.7	S 29 00.6	Kaus Australis	83 32.2	S 34 22.3					Kaus Australis	83 32.4	S 34 22.3
Castor	245 56.7	N 31 50.1	Vega	80 33.2	N 38 47.9					Vega	80 33.3	N 38 47.9
Procyon	244 50.3	N 05 10.0	Nunki	75 47.6	S 26 15.9					Nunki	75 47.7	S 26 15.9
Pollux	243 16.6	N 27 58.0	Albireo	67 04.0	N 28 00.4					Albireo	67 04.1	N 28 00.4
Avior	234 14.4	S 59 35.7	Altair	62 00.1	N 08 55.7					Altair	62 00.2	N 08 55.7
Suhail	222 45.9	S 43 32.3	Peacock	53 05.7	S 56 39.0					Peacock	53 05.8	S 56 39.1
Miaplacidus	221 37.6	S 69 49.5	Deneb	49 25.9	N 45 21.9					Deneb	49 26.0	N 45 21.9
Al												

## 2025 - First Point of Aries / Selected Stars

## 2025 - First Point of Aries / Selected Stars

UT	day 81 of 365		day 82 of 365		day 83 of 365		day 84 of 365		day 85 of 365		UT
	March 22	GHA ddGHA	March 23	GHA ddGHA	March 24	GHA ddGHA	March 25	GHA ddGHA	March 26	GHA ddGHA	
00	179 45.1	+02.5	180 44.2	+02.5	181 43.4	+02.4	182 42.5	+02.5	183 41.7	+02.4	00
01	194 47.6	+02.4	195 46.7	+02.5	196 45.8	+02.5	197 45.0	+02.4	198 44.1	+02.5	01
02	209 50.0	+02.5	210 49.2	+02.4	211 48.3	+02.5	212 47.4	+02.5	213 46.6	+02.4	02
03	224 52.5	+02.4	225 51.6	+02.5	226 50.8	+02.4	227 49.9	+02.5	228 49.0	+02.5	03
04	239 54.9	+02.5	240 54.1	+02.5	241 53.2	+02.5	242 52.4	+02.4	243 51.5	+02.5	04
05	254 57.4	+02.5	255 56.6	+02.4	256 55.7	+02.5	257 54.8	+02.5	258 54.0	+02.4	05
06	269 59.9	+02.4	270 59.0	+02.5	271 58.2	+02.4	272 57.3	+02.5	273 56.4	+02.5	06
07	285 02.3	+02.5	286 01.5	+02.4	287 00.6	+02.5	287 00.6	+02.4	288 58.9	+02.5	07
08	300 04.8	+02.5	301 03.9	+02.5	302 03.1	+02.5	303 02.2	+02.5	304 01.4	+02.4	08
09	315 07.3	+02.4	316 06.4	+02.5	317 05.6	+02.4	318 04.7	+02.5	319 03.8	+02.5	09
10	330 09.7	+02.5	331 08.9	+02.4	332 08.0	+02.5	333 07.2	+02.4	334 06.3	+02.5	10
11	345 12.2	+02.5	346 11.3	+02.5	347 10.5	+02.4	348 09.6	+02.5	349 08.8	+02.4	11
12	0 14.7	+02.4	1 13.8	+02.5	2 12.9	+02.5	3 12.1	+02.4	4 11.2	+02.5	12
13	15 17.1	+02.5	16 16.3	+02.4	17 15.4	+02.5	18 14.5	+02.5	19 13.7	+02.4	13
14	30 19.6	+02.5	31 18.7	+02.5	32 17.9	+02.4	33 17.0	+02.5	34 16.1	+02.5	14
15	45 22.1	+02.4	46 21.2	+02.5	47 20.3	+02.5	48 19.5	+02.4	49 18.6	+02.5	15
16	60 24.5	+02.5	61 23.7	+02.4	62 22.8	+02.5	63 21.9	+02.5	64 21.1	+02.4	16
17	75 27.0	+02.4	76 26.1	+02.5	77 25.3	+02.4	78 24.4	+02.5	79 23.5	+02.5	17
18	90 29.4	+02.5	91 28.6	+02.5	92 27.7	+02.5	93 26.9	+02.4	94 26.0	+02.5	18
19	105 31.9	+02.5	106 31.1	+02.4	107 30.2	+02.5	108 29.3	+02.5	109 28.5	+02.4	19
20	120 34.4	+02.4	121 33.5	+02.5	122 32.7	+02.4	123 31.8	+02.5	124 30.9	+02.5	20
21	135 36.8	+02.5	136 36.0	+02.4	137 35.1	+02.5	138 34.3	+02.4	139 33.4	+02.5	21
22	150 39.3	+02.5	151 38.4	+02.5	152 37.6	+02.4	153 36.7	+02.5	154 35.9	+02.4	22
23	165 41.8	+02.4	166 40.9	+02.5	167 40.0	+02.5	168 39.2	+02.5	169 38.3	+02.5	23

UT	day 86 of 365		day 87 of 365		day 88 of 365		day 89 of 365		day 90 of 365		UT
	March 27	GHA ddGHA	March 28	GHA ddGHA	March 29	GHA ddGHA	March 30	GHA ddGHA	March 31	GHA ddGHA	
00	184 40.8	+02.5	185 39.9	+02.5	186 39.1	+02.4	187 38.2	+02.5	188 37.3	+02.5	00
01	199 43.3	+02.4	200 42.4	+02.5	201 41.5	+02.5	202 40.7	+02.4	203 39.8	+02.5	01
02	214 45.7	+02.5	215 44.9	+02.4	216 44.0	+02.5	217 43.1	+02.5	218 42.3	+02.4	02
03	229 48.2	+02.4	230 47.3	+02.5	231 46.5	+02.4	232 45.6	+02.5	233 44.7	+02.5	03
04	244 50.6	+02.5	245 49.8	+02.4	246 48.9	+02.5	247 48.1	+02.4	248 47.2	+02.5	04
05	259 53.1	+02.5	260 52.2	+02.5	261 51.4	+02.4	262 50.5	+02.5	263 49.7	+02.4	05
06	274 55.6	+02.4	275 54.7	+02.5	276 53.8	+02.5	277 53.0	+02.4	278 52.1	+02.5	06
07	289 58.0	+02.5	290 57.2	+02.4	291 56.3	+02.5	292 55.4	+02.5	293 54.6	+02.4	07
08	305 00.5	+02.5	305 59.6	+02.5	306 58.8	+02.4	307 57.9	+02.5	308 57.0	+02.5	08
09	320 03.0	+02.4	321 02.1	+02.5	322 01.2	+02.5	323 00.4	+02.4	323 59.5	+02.5	09
10	335 05.4	+02.5	336 04.6	+02.4	337 03.7	+02.5	338 02.8	+02.5	339 02.0	+02.4	10
11	350 07.9	+02.5	351 07.0	+02.5	352 06.2	+02.4	353 05.3	+02.5	354 04.4	+02.5	11
12	5 10.4	+02.4	6 09.5	+02.5	7 08.6	+02.5	8 07.8	+02.4	9 06.9	+02.5	12
13	20 12.8	+02.5	21 12.0	+02.4	22 11.1	+02.5	23 10.2	+02.5	24 09.4	+02.4	13
14	35 15.3	+02.4	36 14.4	+02.5	37 13.6	+02.4	38 12.7	+02.5	39 11.8	+02.5	14
15	50 17.7	+02.5	51 16.9	+02.5	52 16.0	+02.5	53 15.2	+02.4	54 14.3	+02.5	15
16	65 20.2	+02.5	66 19.4	+02.4	67 18.5	+02.5	68 17.6	+02.5	69 16.8	+02.4	16
17	80 22.7	+02.4	81 21.8	+02.5	82 21.0	+02.4	83 20.1	+02.5	84 19.2	+02.5	17
18	95 25.1	+02.5	96 24.3	+02.4	97 23.4	+02.5	98 22.6	+02.4	99 21.7	+02.5	18
19	110 27.6	+02.5	111 26.7	+02.5	112 25.9	+02.4	113 25.0	+02.5	114 24.2	+02.4	19
20	125 30.1	+02.4	126 29.2	+02.5	127 28.3	+02.5	128 27.5	+02.4	129 26.6	+02.5	20
21	140 32.5	+02.5	141 31.7	+02.4	142 30.8	+02.5	143 29.9	+02.5	144 29.1	+02.4	21
22	155 35.0	+02.5	156 34.1	+02.5	157 33.3	+02.4	158 32.4	+02.5	159 31.5	+02.5	22
23	170 37.5	+02.4	171 36.6	+02.5	172 35.7	+02.5	173 34.9	+02.4	174 34.0	+02.5	23

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357 35.0	N 29 13.7	Gienah	175 43.0	S 17 41.1	
Ankaa	353 07.5	S 42 10.1	Acrux	172 59.3	S 63 14.4	
Schedir	349 31.5	N 56 40.5	Gacrux	171 51.0	S 57 15.2	
Diphda	348 47.5	S 17 51.0	Alioth	166 12.4	N 55 49.2	
Achernar	335 20.6	S 57 06.7	Spica	158 21.8	S 11 17.7	
Hamal	327 51.4	N 23 34.9	Alkaid	152 51.4	N 49 11.0	
Polaris	314 20.0	N 89 22.5	Hadar	148 35.2	S 60 29.6	
Acamar	315 11.9	S 40 12.4	Menkent	147 56.8	S 36 29.4	
Menkar	314 06.2	N 04 11.3	Arcturus	145 47.1	N 19 03.7	
Mirfak	308 28.4	N 49 57.2	Rigel Kentaurus	139 36.7	S 60 56.5	
Aldebaran	290 39.6	N 16 33.7	Zubenelgenubi	136 55.5	S 16 08.9	
Capella	280 21.8	N 46 01.7	Kocab	137 18.8	N 74 02.8	
Rigel	281 03.8	S 08 10.5	Alphecca	126 03.4	N 26 37.5	
Bellatrix	278 22.7	N 06 22.3	Antares	112 15.6	S 26 29.3	
Elnath	278 01.7	N 28 37.9	Atria	107 09.4	S 69 04.1	
Alnilam	275 37.6	S 01 11.2	Sabik	102 02.5	S 15 45.5	
Betelgeuze	270 51.9	N 07 24.6	Shaula	96 10.0	S 37 07.3	
Canopus	263 52.3	S 52 42.8	Rasalhague	95 58.3	N 12 32.3	
Sirius	258 25.8	S 16 44.7	Etamin	90 42.0	N 51 28.7	
Adhara	255 05.7	S 29 00.6	Kaus Australis	83 32.3	S 34 22.3	
Castor	245 56.6	N 31 50.1	Vega	80 33.2	N 38 47.9	
Procyon	244 50.3	N 05 10.0	Nunki	75 47.6	S 26 15.9	
Pollux	243 16.6	N 27 58.0	Albireo	67 04.0	N 28 00.4	
Avior	234 14.3	S 59 35.7	Altair	62 00.1	N 08 55.7	
Suhail	222 45.9	S 43 32.3	Peacock	53 05.7	S 56 39.0	
Miplacidus	221 37.5	S 69 49.5	Deneb	49 26.0	N 45 21.9	
Alphard	217 47.4	S 08 46.2	Enif	33 38.9	N 09 59.3	
Regulus	207 33.9	N 11 50.5	Alnair	27 33.2	S 46 50.2	
Dubhe	193 40.0	N 61 36.9	Formalhaut	15 14.8	S 29 29.3	
Denebola	182 24.3	N 14 25.8	Markab	13 30.1	N 15 20.3	

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357 35.0	N 29 13.7	Gienah	175 43.0	S 17 41.1	
Ankaa	353 07.5	S 42 10.1	Acrux	172 59.3	S 63 14.4	
Schedir	349 31.5	N 56 40.5	Gacrux	171 51.0	S 57 15.2	
Diphda	348 47.5	S 17 51.0	Alioth	166 12.3	N 55 49.2	
Achernar	335 20.6	S 57 06.7	Spica	158 21.8	S 11 17.7	
Hamal	327 51.4	N 23 34.9	Alkaid	152 51.3	N 49 11.0	
Polaris	314 21.6	N 89 22.4	Hadar	148 35.2	S 60 29.6	
Acamar	315 11.9	S 40 12.4	Menkent	147 56.8	S 36 29.4	
Menkar	314 06.2	N 04 11.3	Arcturus	145 47.		

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# 2025 - First Point of Aries / Selected Stars

UT	day 111 of 365		day 112 of 365		day 113 of 365		day 114 of 365		day 115 of 365		UT	
	April 21	April 22	April 22	April 23	April 23	April 24	April 24	April 25	April 25	April 25		
00	209 19.3 +02.4	210 18.4 +02.5	211 17.5 +02.5	212 16.7 +02.4	213 15.8 +02.5	00	194 32.2 +02.4	195 31.3 +02.5	196 30.5 +02.4	197 29.6 +02.5	198 28.7 +02.5	00
01	224 21.7 +02.5	225 20.9 +02.4	226 20.1 +02.5	227 19.1 +02.5	228 18.3 +02.4	01	209 34.6 +02.5	210 33.8 +02.4	211 32.9 +02.5	212 32.1 +02.4	213 31.2 +02.5	01
02	239 24.2 +02.4	240 23.3 +02.5	241 22.5 +02.4	242 21.6 +02.5	243 20.7 +02.5	02	224 37.1 +02.5	225 36.2 +02.5	226 35.4 +02.4	227 34.5 +02.5	228 33.7 +02.4	02
03	254 26.6 +02.5	255 25.8 +02.4	256 24.9 +02.5	257 24.1 +02.4	258 23.2 +02.5	03	239 39.6 +02.4	240 38.7 +02.5	241 37.8 +02.5	242 37.0 +02.4	243 36.1 +02.5	03
04	269 29.1 +02.5	270 28.2 +02.5	271 27.4 +02.5	272 26.5 +02.5	273 25.7 +02.4	04	254 42.0 +02.5	255 41.2 +02.4	256 40.3 +02.5	257 39.4 +02.5	258 38.6 +02.4	04
05	284 31.6 +02.4	285 30.7 +02.5	286 29.9 +02.4	287 29.0 +02.5	288 28.1 +02.5	05	269 44.5 +02.5	270 43.6 +02.5	271 42.8 +02.4	272 41.9 +02.5	273 41.0 +02.5	05
06	299 34.0 +02.5	300 33.2 +02.4	301 32.3 +02.5	302 31.5 +02.4	303 30.6 +02.5	06	284 47.0 +02.4	285 46.1 +02.5	286 45.2 +02.5	287 44.4 +02.4	288 43.5 +02.5	06
07	314 36.5 +02.5	315 35.6 +02.5	316 34.8 +02.4	317 33.9 +02.5	318 33.1 +02.4	07	299 49.4 +02.5	300 48.6 +02.4	301 47.7 +02.5	302 46.8 +02.5	303 46.0 +02.4	07
08	329 39.0 +02.4	330 38.1 +02.5	331 37.2 +02.5	332 36.4 +02.4	333 35.5 +02.5	08	314 51.9 +02.5	315 51.0 +02.5	316 50.2 +02.4	317 49.3 +02.5	318 48.4 +02.5	08
09	344 41.4 +02.5	345 40.6 +02.4	346 39.7 +02.5	347 38.8 +02.5	348 38.0 +02.4	09	329 54.4 +02.4	330 53.5 +02.5	331 52.6 +02.5	332 51.8 +02.4	333 50.9 +02.5	09
10	359 43.9 +02.5	0 43.0 +02.5	1 42.2 +02.4	2 41.3 +02.5	3 40.4 +02.5	10	344 56.8 +02.5	345 56.0 +02.4	346 55.1 +02.5	347 54.2 +02.5	348 53.4 +02.4	10
11	14 46.4 +02.4	15 45.5 +02.5	16 44.6 +02.5	17 43.8 +02.4	18 42.9 +02.5	11	359 59.3 +02.4	1 58.4 +02.5	1 57.6 +02.4	2 56.7 +02.5	3 55.8 +02.5	11
12	29 48.8 +02.5	30 48.0 +02.4	31 47.1 +02.5	32 46.2 +02.5	33 45.4 +02.4	12	15 01.7 +02.5	16 00.9 +02.4	17 00.0 +02.5	17 59.2 +02.4	18 58.3 +02.5	12
13	44 51.3 +02.5	45 50.4 +02.5	46 49.6 +02.4	47 48.7 +02.5	48 47.8 +02.5	13	30 04.2 +02.5	31 03.3 +02.5	32 02.5 +02.5	33 01.6 +02.5	34 00.8 +02.4	13
14	59 53.8 +02.4	60 52.9 +02.5	61 52.0 +02.5	62 51.2 +02.4	63 50.3 +02.5	14	45 06.7 +02.4	46 05.8 +02.5	47 05.0 +02.4	48 04.1 +02.5	49 03.2 +02.5	14
15	74 56.2 +02.5	75 55.4 +02.4	76 54.5 +02.5	77 53.6 +02.5	78 52.8 +02.4	15	60 09.1 +02.5	61 08.3 +02.4	62 07.4 +02.5	63 06.6 +02.4	64 05.7 +02.5	15
16	89 58.7 +02.4	90 57.8 +02.5	91 57.0 +02.4	92 56.1 +02.5	93 55.2 +02.5	16	75 11.6 +02.5	76 10.7 +02.5	77 09.9 +02.4	78 09.0 +02.5	79 08.2 +02.4	16
17	105 01.1 +02.5	106 00.3 +02.4	106 59.4 +02.5	107 58.6 +02.4	108 57.7 +02.5	17	90 14.1 +02.4	91 13.2 +02.5	92 12.3 +02.5	93 11.5 +02.4	94 10.6 +02.5	17
18	120 03.6 +02.5	121 02.7 +02.5	122 01.9 +02.4	123 01.0 +02.5	124 00.2 +02.4	18	105 16.5 +02.5	106 15.7 +02.4	107 14.8 +02.5	108 13.9 +02.5	109 13.1 +02.4	18
19	135 06.1 +02.4	136 05.2 +02.5	137 04.3 +02.5	138 03.5 +02.4	139 02.6 +02.5	19	120 19.0 +02.5	121 18.1 +02.5	122 17.3 +02.4	123 16.4 +02.5	124 15.5 +02.5	19
20	150 08.5 +02.5	151 07.7 +02.4	152 06.8 +02.5	153 05.9 +02.5	154 05.1 +02.5	20	135 21.5 +02.4	136 20.6 +02.5	137 19.7 +02.5	138 18.9 +02.4	139 18.0 +02.5	20
21	165 11.0 +02.5	166 10.1 +02.5	167 09.3 +02.4	168 08.4 +02.5	169 07.6 +02.4	21	150 23.9 +02.5	151 23.1 +02.4	152 22.2 +02.5	153 21.3 +02.5	154 20.5 +02.4	21
22	180 13.5 +02.4	181 12.6 +02.5	182 11.7 +02.5	183 10.9 +02.4	184 10.0 +02.5	22	165 26.4 +02.5	166 25.5 +02.5	167 24.7 +02.4	168 23.8 +02.5	169 22.9 +02.5	22
23	195 15.9 +02.5	196 15.1 +02.4	197 14.2 +02.5	198 13.3 +02.5	199 12.5 +02.4	23	180 28.9 +02.4	181 28.0 +02.5	182 27.1 +02.5	183 26.3 +02.4	184 25.4 +02.5	23

UT	day 96 of 365		day 97 of 365		day 98 of 365		day 99 of 365		day 100 of 365		UT	
	April 6	April 7	April 8	April 9	April 10	April 6	April 7	April 8	April 9	April 10		
00	194 32.2 +02.4	195 31.3 +02.5	196 30.5 +02.4	197 29.6 +02.5	198 28.7 +02.5	00	194 32.2 +02.4	195 31.3 +02.5	196 30.5 +02.4	197 29.6 +02.5	198 28.7 +02.5	00
01	209 34.6 +02.5	210 33.8 +02.4	211 32.9 +02.5	212 32.1 +02.4	213 31.2 +02.5	01	209 34.6 +02.5	210 33.8 +02.4	211 32.9 +02.5	212 32.1 +02.4	213 31.2 +02.5	01
02	224 37.1 +02.5	225 36.2 +02.5	226 35.4 +02.4	227 34.5 +02.5	228 33.7 +02.4	02	224 37.1 +02.5	225 36.2 +02.5	226 35.4 +02.5	227 34.5 +02.4	228 33.7 +02.4	02
03	239 39.6 +02.4	240 38.7 +02.5	241 37.8 +02.5	242 37.0 +02.4	243 36.1 +02.5	03	239 39.6 +02.4	240 38.7 +02.5	241 37.8 +02.5	242 37.0 +02.4	243 36.1 +02.5	03
04	254 42.0 +02.5	255 41.2 +02.4	256 40.3 +02.5	257 39.4 +02.5	258 38.6 +02.4	04	254 42.0 +02.5	255 41.2 +02.4	256 40.3 +02.5	257 39.4 +02.5	258 38.6 +02.4	04
05	269 44.5 +02.5	270 43.6 +02.5	271 42.8 +02.4	272 41.9 +02.5	273 41.0 +02.5	05	269 44.5 +02.5	270 43.6 +02.5	271 42.8 +02.4	272 41.9 +02.5	273 41.0 +02.5	05
06	284 47.0 +02.4	285 46.1 +02.5	286 45.2 +02.5	287 44.4 +02.4	288 43.5 +02.5	06	284 47.0 +02.4	285 46.1 +02.5	286 45.2 +02.5	287 44.4 +02.4	288 43.5 +02.5	06
07	299 49.4 +02.5	300 48.6 +02.4	301 47.7 +02.5	302 46.8 +02.5	303 46.0 +02.4	07	299 49.4 +02.5	300 48.6 +02.4	301 47.7 +02.5	302 46.8 +02.5	303 46.0 +02.4	07
08	314 51.9 +02.5	315 51.0 +02.5	316 50.2 +02.4	317 49.3 +02.5	318 48.4 +02.5	08	314 51.9 +02.5	315 51.0 +02.5	316 50.2 +02.4	317 49.3 +02.5	318 48.4 +02.5	08
09	329 54.4 +02.4	330 53.5 +02.5	331 52.6 +02.5	332 51.8 +02.4	333 50.9 +02.5	09	329 54.4 +02.4	330 53.5 +02.5	331 52.6 +02.5	332 51.8 +02.4	333 50.9 +02.5	09
10	344 56.8 +02.5	345 56.0 +02.4	346 55.1 +02.5	347 54.2 +02.5	348 53.4 +02.4	10	344 56.8 +02.5	345 56.0 +02.4	346 55.1 +02.5	347 54.2 +02.5	348 53.4 +02.4	10
11	359 59.3 +02.4	1 58.4 +02.5	1 57.6 +02.4	2 56.7 +02.5	3 55.8 +02.5	11	359 59.3 +02.4	1 58.4 +02.5	1 57.6 +02.4	2 56.7 +02.5	3 55.8 +02.5	11
12	15 01.7 +02.5	16 00.9 +02.4	17 00.0 +02.5	17 59.2 +02.4	18 58.3 +02.5	12	15 01.7 +02.5	16 00.9 +02.4	17 00.0 +02.5	17 59.2 +02.4	18 58.3 +02.5	12
13	30 04.2 +02.5	31 03.3 +02.5	32 02.5 +02.5	33 01.6 +02.5	34 00.8 +02.4	13	30 04.2 +02.5	31 03.3 +02.5	32 02.5 +02.5	33 01.6 +02.5	34 00.8 +02.4	13
14	45 06.7 +02.4	46 05.8 +02.5	47 05.0 +02.4	48 04.1 +02.5	49 03.2 +02.5	14	45 06.7 +02.4	46 05.8 +02.5	47 05.0 +02.4	48 04.1 +02.5	49 03.2 +02.5	14
15	60 09.1 +02.5	61 08.3 +02.4	62 07.4 +02.5	63 06.6 +02.4	64 05.7 +02.5	15	60 09.1 +02.5	61 08.3 +02.4	62 07.4 +02.5	63 06.6 +02.4	64 05.7 +02.5	15
16	75 11.6 +02.5	76 10.7 +02.5	77 09.9 +02.4	78 09.0 +02.5	79 08.2 +02.4	16	75 11.6 +02.5	76 10.7 +02.5	77 09.9 +02.4	78 09.0 +02.5	79 08.2 +02.4	16
17	90 14.1 +02.4	91 13.2 +02.5	92 12.3 +02.5	93 11.5 +02.4	94 10.6 +02.5	17	90 14.1 +02.4	91 13.2 +02.5	92 12.3 +02.5	93 11.5 +02.4	94 10.6 +02.5	17
18	105 16.5 +02.5	106 15.7 +02.4	107 14.8 +02.5	108 13.9 +02.5	109 13.1 +02.4	18	105 16.5 +02.5	106 15.7 +02.4	107 14.8 +02.5	108 13.9 +02.5	109 13.1 +02.4	18
19	120 19.0 +02.5	121 18.1 +02.5	122 17.3 +02.4	123 16.4 +02.5	124 15.5 +02.5	19	120 19.0 +02.5	121 18.1 +02.5	122 17.3 +02.4	123 16.4 +02.5	124 15.5 +02.5	19
20	135 21.5 +02.4	136 20.6 +02.5	137 19.7 +02.5	138 18.9 +02.4	139 18.0 +02.5	20	135 21.5 +02.4	136 20.6 +02.5	137 19.7 +02.5	138 18.9 +02.4	139 18.0 +02.5	20
21	150 23.9 +02.5	151 23.1 +02.4	152 22.2 +02.5	153 21.3 +02.5	154 20.5 +02.4	21	150 23.9 +02.5	151 23.1 +02.4	152 22.2 +02.5	153 21.3 +02.5	154 20.5 +02.4	21
22	165 26.4 +02.5	166 25.5 +02.5	167 24.7 +02.4	168 23.8 +02.5	169 22.9 +02.5	22	165 26.4 +02.5	166 25.5 +02.5	167 24.7 +02.4	168 23.8 +02.5	169 22.9 +02.5	22
23	180 28.9 +02.4	181 28.0 +02.5	182 27.1 +02.5	183 26.3 +02.4	184 25.4 +02.5	23	180					

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

UT	day 101 of 365		day 102 of 365		day 103 of 365		day 104 of 365		day 105 of 365		UT
	April 11	GHA ddGHA	April 12	GHA ddGHA	April 13	GHA ddGHA	April 14	GHA ddGHA	April 15	GHA ddGHA	
00	199 27.9	+02.4	200 27.0	+02.5	201 26.1	+02.5	202 25.3	+02.4	203 24.4	+02.5	00
01	214 30.3	+02.5	215 29.5	+02.4	216 28.6	+02.5	217 27.7	+02.5	218 26.9	+02.4	01
02	229 32.8	+02.5	230 31.9	+02.5	231 31.1	+02.4	232 30.2	+02.5	233 29.3	+02.5	02
03	244 35.3	+02.4	245 34.4	+02.5	246 33.5	+02.5	247 32.7	+02.4	248 31.8	+02.5	03
04	259 37.7	+02.5	260 36.9	+02.4	261 36.0	+02.5	262 35.1	+02.5	263 34.3	+02.4	04
05	274 40.2	+02.4	275 39.3	+02.5	276 38.5	+02.4	277 37.6	+02.5	278 36.7	+02.5	05
06	289 42.6	+02.5	290 41.8	+02.4	291 40.9	+02.5	292 40.1	+02.4	293 39.2	+02.5	06
07	304 45.1	+02.5	305 44.2	+02.5	306 43.4	+02.5	307 42.5	+02.5	308 41.7	+02.4	07
08	319 47.6	+02.4	320 46.7	+02.5	321 45.9	+02.4	322 45.0	+02.5	323 44.1	+02.5	08
09	334 50.0	+02.5	335 49.2	+02.4	336 48.3	+02.5	337 47.5	+02.4	338 46.6	+02.5	09
10	349 52.5	+02.5	350 51.6	+02.5	351 50.8	+02.4	352 49.9	+02.5	353 49.1	+02.4	10
11	4 55.0	+02.4	5 54.1	+02.5	6 53.2	+02.5	7 52.4	+02.4	8 51.5	+02.5	11
12	19 57.4	+02.5	20 56.6	+02.4	21 55.7	+02.5	22 54.8	+02.5	23 54.0	+02.4	12
13	34 59.9	+02.5	35 59.0	+02.5	36 58.2	+02.4	37 57.3	+02.5	38 56.4	+02.5	13
14	50 02.4	+02.4	51 01.5	+02.5	52 00.6	+02.5	52 59.8	+02.4	53 58.9	+02.5	14
15	65 04.8	+02.5	66 04.0	+02.4	67 03.1	+02.5	68 02.2	+02.5	69 01.4	+02.4	15
16	80 07.3	+02.5	81 06.4	+02.5	82 05.6	+02.4	83 04.7	+02.5	84 03.8	+02.5	16
17	95 09.8	+02.4	96 08.9	+02.5	97 08.0	+02.5	98 07.2	+02.4	99 06.3	+02.5	17
18	110 12.2	+02.5	111 11.4	+02.4	112 10.5	+02.5	113 09.6	+02.5	114 08.8	+02.4	18
19	125 14.7	+02.4	126 13.8	+02.5	127 13.0	+02.4	128 12.1	+02.5	129 11.2	+02.5	19
20	140 17.1	+02.5	141 16.3	+02.4	142 15.4	+02.5	143 14.6	+02.4	144 13.7	+02.5	20
21	155 19.6	+02.5	156 18.7	+02.5	157 17.9	+02.4	158 17.0	+02.5	159 16.2	+02.4	21
22	170 22.1	+02.4	171 21.2	+02.5	172 20.3	+02.5	173 19.5	+02.5	174 18.6	+02.5	22
23	185 24.5	+02.5	186 23.7	+02.4	187 22.8	+02.5	188 22.0	+02.4	189 21.1	+02.5	23

UT	day 106 of 365		day 107 of 365		day 108 of 365		day 109 of 365		day 110 of 365		UT
	April 16	GHA ddGHA	April 17	GHA ddGHA	April 18	GHA ddGHA	April 19	GHA ddGHA	April 20	GHA ddGHA	
00	204 23.6	+02.4	205 22.7	+02.5	206 21.8	+02.5	207 21.0	+02.4	208 20.1	+02.5	00
01	219 26.0	+02.5	220 25.2	+02.4	221 24.3	+02.5	222 23.4	+02.5	223 22.6	+02.4	01
02	234 28.5	+02.4	235 27.6	+02.5	236 26.8	+02.4	237 25.9	+02.5	238 25.0	+02.5	02
03	249 30.9	+02.5	250 30.1	+02.4	251 29.2	+02.5	252 28.4	+02.4	253 27.5	+02.5	03
04	264 33.4	+02.5	265 32.5	+02.5	266 31.7	+02.5	267 30.8	+02.5	268 30.0	+02.4	04
05	279 35.9	+02.4	280 35.0	+02.5	281 34.2	+02.4	282 33.3	+02.5	283 32.4	+02.5	05
06	294 38.3	+02.5	295 37.5	+02.4	296 36.6	+02.5	297 35.8	+02.4	298 34.9	+02.5	06
07	309 40.8	+02.5	310 39.9	+02.5	311 39.1	+02.4	312 38.2	+02.5	313 37.4	+02.4	07
08	324 43.3	+02.4	325 42.4	+02.5	326 41.5	+02.5	327 40.7	+02.5	328 39.8	+02.5	08
09	339 45.7	+02.5	340 44.9	+02.4	341 44.0	+02.5	342 43.2	+02.4	343 42.3	+02.5	09
10	354 48.2	+02.5	355 47.3	+02.5	356 46.5	+02.4	357 45.6	+02.5	358 44.8	+02.4	10
11	9 50.7	+02.4	10 49.8	+02.5	11 48.9	+02.5	12 48.1	+02.4	13 47.2	+02.5	11
12	24 53.1	+02.5	25 52.3	+02.4	26 51.4	+02.5	27 50.5	+02.5	28 49.7	+02.4	12
13	39 55.6	+02.5	40 54.7	+02.5	41 53.9	+02.4	42 53.0	+02.5	43 52.1	+02.5	13
14	54 58.1	+02.4	55 57.2	+02.5	56 56.3	+02.5	57 55.5	+02.4	58 54.6	+02.5	14
15	70 00.5	+02.5	70 59.7	+02.4	71 58.8	+02.5	72 57.9	+02.5	73 57.1	+02.4	15
16	85 03.0	+02.4	86 02.1	+02.5	87 01.3	+02.4	88 00.4	+02.5	88 59.5	+02.5	16
17	100 05.4	+02.5	101 04.6	+02.4	102 03.7	+02.5	103 02.9	+02.4	104 02.0	+02.5	17
18	115 07.9	+02.5	116 07.0	+02.5	117 06.2	+02.5	118 05.3	+02.5	119 04.5	+02.4	18
19	130 10.4	+02.4	131 09.5	+02.5	132 08.7	+02.4	133 07.8	+02.5	134 06.9	+02.5	19
20	145 12.8	+02.5	146 12.0	+02.4	147 11.1	+02.5	148 10.3	+02.4	149 09.4	+02.5	20
21	160 15.3	+02.5	161 14.4	+02.5	162 13.6	+02.4	163 12.7	+02.5	164 11.9	+02.4	21
22	175 17.8	+02.4	176 16.9	+02.5	177 16.0	+02.5	178 15.2	+02.4	179 14.3	+02.5	22
23	190 20.2	+02.5	191 19.4	+02.4	192 18.5	+02.5	193 17.6	+02.5	194 16.8	+02.5	23

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357 35.0	N 29 13.7	Gienah	175 43.0	S 17 41.1	
Ankaa	353 07.5	S 42 10.0	Acrux	172 59.2	S 63 14.5	
Schedir	349 31.5	N 56 40.5	Gacrux	171 50.9	S 57 15.3	
Diphda	348 47.5	S 17 51.0	Alioth	166 12.3	N 55 49.3	
Achernar	335 20.6	S 57 06.5	Spica	158 21.8	S 11 17.7	
Hamal	327 51.4	N 23 34.9	Alkaid	152 51.3	N 49 11.1	
Polaris	314 25.1	N 89 22.4	Hadar	148 35.1	S 60 29.7	
Acamar	315 12.0	S 40 12.3	Menket	147 56.7	S 36 29.5	
Menkar	314 06.2	N 04 11.3	Arcturus	145 47.0	N 19 03.7	
Mirfak	308 28.4	N 49 57.1	Rigel Kentaurus	139 36.5	S 60 56.6	
Aldebaran	290 39.6	N 16 33.7	Zubenelgenubi	136 55.4	S 16 08.9	
Capella	280 21.9	N 46 01.7	Kocab	137 18.6	N 74 02.9	
Rigel	281 03.9	S 08 10.5	Alphecca	126 03.3	N 26 37.6	
Bellatrix	278 22.8	N 06 22.3	Antares	112 15.5	S 26 29.3	
Elnath	278 01.8	N 28 37.8	Atria	107 09.1	S 69 04.2	
Alnilam	275 37.7	S 01 11.2	Sabik	102 02.4	S 15 45.5	
Betelgeuze	270 52.0	N 07 24.6	Shaula	96 09.9	S 37 07.3	
Canopus	263 52.5	S 52 42.8	Rasalhague	95 58.2	N 12 32.4	
Sirius	258 25.9	S 16 44.7	Etamin	90 41.8	N 51 28.8	
Adhara	255 05.8	S 29 00.6	Kaus Australis	83 32.1	S 34 22.2	
Castor	245 56.7	N 31 50.1	Vega	80 33.1	N 38 48.0	
Procyon	244 50.4	N 05 10.0	Nunki	75 47.4	S 26 15.9	
Pollux	243 16.7	N 27 58.0	Albireo	67 03.9	N 28 00.5	
Avior	234 14.5	S 59 35.7	Altair	61 60.0	N 08 55.7	
Suhail	222 46.0	S 43 32.3	Peacock	53 05.5	S 56 39.0	
Miplacidus	221 37.7	S 69 49.5	Deneb	49 25.8	N 45 21.9	
Alphard	217 47.4	S 08 46.2	Enif	33 38.8	N 09 59.3	
Regulus	207 33.9	N 11 50.6	Alnair	27 33.0	S 46 50.1	
Dubhe	193 40.1	N 61 37.0	Formalhaut	15 14.7	S 29 29.2	
Denebola	182 24.3	N 14 25.8	Markab	13 30.0	N 15 20.3	

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357 35.0	N 29 13.7	Gienah	175 43.0	S 17 41.1	
Ankaa	353 07.4	S 42 10.0	Acrux	172 59.2	S 63 14.5	
Schedir	349 31.4	N 56 40.4	Gacrux	171 51.0	S 57 15.3	
Diphda	348 47.5	S 17 51.0	Alioth	166 12.3	N 55 49.3	
Achernar	335 20.6	S 57 06.5	Spica	158 21.8	S 11 17.7	
Hamal	327 51.4	N 23 34.9	Alkaid	152 51.3	N 49 11.1	
Polaris	314 25.8	N 89 22.3	Hadar	148 35.1	S 60 29.7	
Acamar	315 12.0	S 40 12.3	Menket	147 56.7	S 36 29.5	
Menkar	314 06.2	N				

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## 2025 - First Point of Aries / Selected Stars

UT	day 131 of 365		day 132 of 365		day 133 of 365		day 134 of 365		day 135 of 365		UT
	May 11	GHA ddGHA	May 12	GHA ddGHA	May 13	GHA ddGHA	May 14	GHA ddGHA	May 15	GHA ddGHA	
00	229 02.0	+02.5	230 01.2	+02.4	231 00.3	+02.5	231 59.4	+02.5	232 58.6	+02.4	00
01	244 04.5	+02.5	245 03.6	+02.5	246 02.8	+02.4	247 01.9	+02.5	248 01.0	+02.5	01
02	259 07.0	+02.4	260 06.1	+02.5	261 05.2	+02.5	262 04.4	+02.4	263 03.5	+02.5	02
03	274 09.4	+02.5	275 08.6	+02.4	276 07.7	+02.5	277 06.8	+02.5	278 06.0	+02.4	03
04	289 11.9	+02.4	290 11.0	+02.5	291 10.2	+02.4	292 09.3	+02.5	293 08.4	+02.5	04
05	304 14.3	+02.5	305 13.5	+02.5	306 12.6	+02.5	307 11.8	+02.4	308 10.9	+02.5	05
06	319 16.8	+02.5	320 16.0	+02.4	321 15.1	+02.5	322 14.2	+02.5	323 13.4	+02.4	06
07	334 19.3	+02.4	335 18.4	+02.5	336 17.6	+02.4	337 16.7	+02.5	338 15.8	+02.5	07
08	349 21.7	+02.5	350 20.9	+02.4	351 20.0	+02.5	352 19.2	+02.4	353 18.3	+02.5	08
09	4 24.2	+02.5	5 23.3	+02.5	6 22.5	+02.4	7 21.6	+02.5	8 20.8	+02.4	09
10	19 26.7	+02.4	20 25.8	+02.5	21 24.9	+02.5	22 24.1	+02.5	23 23.2	+02.5	10
11	34 29.1	+02.5	35 28.3	+02.4	36 27.4	+02.5	37 26.6	+02.4	38 25.7	+02.5	11
12	49 31.6	+02.5	50 30.7	+02.5	51 29.9	+02.4	52 29.0	+02.5	53 28.2	+02.4	12
13	64 34.1	+02.4	65 33.2	+02.5	66 32.3	+02.5	67 31.5	+02.4	68 30.6	+02.5	13
14	79 36.5	+02.5	80 35.7	+02.4	81 34.8	+02.5	82 33.9	+02.5	83 33.1	+02.4	14
15	94 39.0	+02.5	95 38.1	+02.5	96 37.3	+02.4	97 36.4	+02.5	98 35.5	+02.5	15
16	109 41.5	+02.4	110 40.6	+02.5	111 39.7	+02.5	112 38.9	+02.4	113 38.0	+02.5	16
17	124 43.9	+02.5	125 43.1	+02.4	126 42.2	+02.5	127 41.3	+02.5	128 40.5	+02.4	17
18	139 46.4	+02.4	140 45.5	+02.5	141 44.7	+02.4	142 43.8	+02.5	143 42.9	+02.5	18
19	154 48.8	+02.5	155 48.0	+02.4	156 47.1	+02.5	157 46.3	+02.4	158 45.4	+02.5	19
20	169 51.3	+02.5	170 50.4	+02.5	171 49.6	+02.5	172 48.7	+02.5	173 47.9	+02.4	20
21	184 53.8	+02.4	185 52.9	+02.5	186 52.1	+02.4	187 51.2	+02.5	188 50.3	+02.5	21
22	199 56.2	+02.5	200 55.4	+02.4	201 54.5	+02.5	202 53.7	+02.4	203 52.8	+02.5	22
23	214 58.7	+02.5	215 57.8	+02.5	216 57.0	+02.4	217 56.1	+02.5	218 55.3	+02.4	23

UT	day 116 of 365		day 117 of 365		day 118 of 365		day 119 of 365		day 120 of 365		UT
	April 26	GHA ddGHA	April 27	GHA ddGHA	April 28	GHA ddGHA	April 29	GHA ddGHA	April 30	GHA ddGHA	
00	214 14.9	+02.5	215 14.1	+02.4	216 13.2	+02.5	217 12.4	+02.4	218 11.5	+02.5	00
01	229 17.4	+02.5	230 16.5	+02.5	231 15.7	+02.4	232 14.8	+02.5	233 14.0	+02.4	01
02	244 19.9	+02.4	245 19.0	+02.5	246 18.1	+02.5	247 17.3	+02.5	248 16.4	+02.5	02
03	259 22.3	+02.5	260 21.5	+02.4	261 20.6	+02.5	262 19.8	+02.4	263 18.9	+02.5	03
04	274 24.8	+02.5	275 23.9	+02.5	276 23.1	+02.4	277 22.2	+02.5	278 21.4	+02.4	04
05	289 27.3	+02.4	290 26.4	+02.5	291 25.5	+02.5	292 24.7	+02.4	293 23.8	+02.5	05
06	304 29.7	+02.5	305 28.9	+02.4	306 28.0	+02.5	307 27.1	+02.5	308 26.3	+02.4	06
07	319 32.2	+02.5	320 31.3	+02.5	321 30.5	+02.4	322 29.6	+02.5	323 28.7	+02.5	07
08	334 34.7	+02.4	335 33.8	+02.5	336 32.9	+02.5	337 32.1	+02.4	338 31.2	+02.5	08
09	349 37.1	+02.5	350 36.3	+02.4	351 35.4	+02.5	352 34.5	+02.5	353 33.7	+02.4	09
10	4 39.6	+02.4	5 38.7	+02.5	6 37.9	+02.4	7 37.0	+02.5	8 36.1	+02.5	10
11	19 42.0	+02.5	20 41.2	+02.4	21 40.3	+02.5	22 39.5	+02.4	23 38.6	+02.5	11
12	34 44.5	+02.5	35 43.6	+02.5	36 42.8	+02.5	37 41.9	+02.5	38 41.1	+02.4	12
13	49 47.0	+02.4	50 46.1	+02.5	51 45.3	+02.4	52 44.4	+02.5	53 43.5	+02.5	13
14	64 49.4	+02.5	65 48.6	+02.4	66 47.7	+02.5	67 46.9	+02.4	68 46.0	+02.5	14
15	79 51.9	+02.5	80 51.0	+02.5	81 50.2	+02.4	82 49.3	+02.5	83 48.5	+02.4	15
16	94 54.4	+02.4	95 53.5	+02.5	96 52.6	+02.5	97 51.8	+02.4	98 50.9	+02.5	16
17	109 56.8	+02.5	110 56.0	+02.4	111 55.1	+02.5	112 54.2	+02.5	113 53.4	+02.5	17
18	124 59.3	+02.5	125 58.4	+02.5	126 57.6	+02.4	127 56.7	+02.5	128 55.9	+02.4	18
19	140 01.8	+02.4	141 00.9	+02.5	142 00.0	+02.5	142 59.2	+02.4	143 58.3	+02.5	19
20	155 04.2	+02.5	156 03.4	+02.4	157 02.5	+02.5	158 01.6	+02.5	159 00.8	+02.4	20
21	170 06.7	+02.5	171 05.8	+02.5	172 05.0	+02.4	173 04.1	+02.5	174 03.2	+02.5	21
22	185 09.2	+02.4	186 08.3	+02.5	187 07.4	+02.5	188 06.6	+02.4	189 05.7	+02.5	22
23	200 11.6	+02.5	201 10.8	+02.4	202 09.9	+02.5	203 09.0	+02.5	204 08.2	+02.4	23

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,
Alpheratz	357 34.8	N 29 13.7	Gienah	175 43.0	S 17 41.1						
Ankaa	353 07.3	S 42 09.8	Acrux	172 59.3	S 63 14.6						
Schedir	349 31.3	N 56 40.4	Gacrux	171 51.0	S 57 15.5						
Diphda	348 47.4	S 17 50.9	Alioth	166 12.4	N 55 49.4						
Achernar	335 20.6	S 57 06.4	Spica	158 21.7	S 11 17.7						
Hamal	327 51.3	N 23 34.9	Alkaid	152 51.3	N 49 11.2						
Polaris	314 25.8	N 89 22.2	Hadar	148 35.0	S 60 29.9						
Acamar	315 12.0	S 40 12.2	Menkent	147 56.6	S 36 29.5						
Menkar	314 06.2	N 04 11.3	Arcturus	145 46.9	N 19 03.8						
Mirfak	308 28.4	N 49 57.0	Rigel Kentaurus	139 36.4	S 60 56.7						
Aldebaran	290 39.7	N 16 33.7	Zubenelgenubi	136 55.3	S 16 08.9						
Capella	280 22.0	N 46 01.6	Kocab	137 18.5	N 74 03.0						
Rigel	281 03.9	S 08 10.4	Alphecca	126 03.2	N 26 37.6						
Bellatrix	278 22.9	N 06 22.3	Antares	112 15.3	S 26 29.3						
Elnath	278 01.9	N 28 37.8	Atria	107 08.7	S 69 04.3						
Alnilam	275 37.8	S 01 11.2	Sabik	102 02.2	S 15 45.5						
Betelgeuze	270 52.1	N 07 24.7	Shaula	96 09.7	S 37 07.3						
Canopus	263 52.7	S 52 42.7	Rasalhague	95 58.1	N 12 32.4						
Sirius	258 26.0	S 16 44.7	Etamin	90 41.6	N 51 28.8						
Adhara	255 05.9	S 29 00.5	Kaus Australis	83 31.9	S 34 22.2						
Castor	245 56.8	N 31 50.1	Vega	80 32.9	N 38 48.0						
Procyon	244 50.5	N 05 10.0	Nunki	75 47.2	S 26 15.9						
Pollux	243 16.8	N 27 58.0	Albireo	67 03.7	N 28 00.5						
Avior	234 14.8	S 59 35.7	Altair	61 59.8	N 08 55.8						
Suhail	222 46.2	S 43 32.3	Peacock	53 05.1	S 56 39.0						
Miaplacidus	221 38.2	S 69 49.6	Deneb	49 25.6	N 45 21.9						
Alphard	217 47.5	S 08 46.2	Enif	33 38.6	N 09 59.3						
Regulus	207 34.0	N 11 50.6	Alnair	27 32.7	S 46 50.1						
Dubhe	193 40.3	N 61 37.1	Formalhaut	15 14.5	S 29 29.1						
Denebola	182 24.3	N 14 25.8	Markab	13 29.8	N 15 20.4						

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,




<tbl\_r cells="12" ix="4" maxcspan="1" maxrspan="1" usedcols

## 2025 - First Point of Aries / Selected Stars

## 2025 - First Point of Aries / Selected Stars

UT	day 121 of 365		day 122 of 365		day 123 of 365		day 124 of 365		day 125 of 365		UT
	May 1	GHA ddGHA	May 2	GHA ddGHA	May 3	GHA ddGHA	May 4	GHA ddGHA	May 5	GHA ddGHA	
00	219 10.6	+02.5	220 09.8	+02.4	221 08.9	+02.5	222 08.1	+02.4	223 07.2	+02.5	00
01	234 13.1	+02.5	235 12.2	+02.5	236 11.4	+02.5	237 10.5	+02.5	238 09.7	+02.4	01
02	249 15.6	+02.4	250 14.7	+02.5	251 13.9	+02.4	252 13.0	+02.5	253 12.1	+02.5	02
03	264 18.0	+02.5	265 17.2	+02.4	266 16.3	+02.5	267 15.5	+02.4	268 14.6	+02.5	03
04	279 20.5	+02.5	280 19.6	+02.5	281 18.8	+02.4	282 17.9	+02.5	283 17.1	+02.4	04
05	294 23.0	+02.4	295 22.1	+02.5	296 21.2	+02.5	297 20.4	+02.4	298 19.5	+02.5	05
06	309 25.4	+02.5	310 24.6	+02.4	311 23.7	+02.5	312 22.8	+02.5	313 22.0	+02.4	06
07	324 27.9	+02.5	325 27.0	+02.5	326 26.2	+02.4	327 25.3	+02.5	328 24.4	+02.5	07
08	339 30.4	+02.4	340 29.5	+02.5	341 28.6	+02.5	342 27.8	+02.4	343 26.9	+02.5	08
09	354 32.8	+02.5	355 32.0	+02.4	356 31.1	+02.5	357 30.2	+02.5	358 29.4	+02.4	09
10	9 35.3	+02.4	10 34.4	+02.5	11 33.6	+02.4	12 32.7	+02.5	13 31.8	+02.5	10
11	24 37.7	+02.5	25 36.9	+02.5	26 36.0	+02.5	27 35.2	+02.4	28 34.3	+02.5	11
12	39 40.2	+02.5	40 39.4	+02.4	41 38.5	+02.5	42 37.6	+02.5	43 36.8	+02.4	12
13	54 42.7	+02.4	55 41.8	+02.5	56 41.0	+02.4	57 40.1	+02.5	58 39.2	+02.5	13
14	69 45.1	+02.5	70 44.3	+02.4	71 43.4	+02.5	72 42.6	+02.4	73 41.7	+02.5	14
15	84 47.6	+02.5	85 46.7	+02.5	86 45.9	+02.4	87 45.0	+02.5	88 44.2	+02.4	15
16	99 50.1	+02.4	100 49.2	+02.5	101 48.3	+02.5	102 47.5	+02.5	103 46.6	+02.5	16
17	114 52.5	+02.5	115 51.7	+02.4	116 50.8	+02.5	117 50.0	+02.4	118 49.1	+02.5	17
18	129 55.0	+02.5	130 54.1	+02.5	131 53.3	+02.4	132 52.4	+02.5	133 51.6	+02.4	18
19	144 57.5	+02.4	145 56.6	+02.5	146 55.7	+02.5	147 54.9	+02.4	148 54.0	+02.5	19
20	159 59.9	+02.5	160 59.1	+02.4	161 58.2	+02.5	162 57.3	+02.5	163 56.5	+02.4	20
21	175 02.4	+02.5	176 01.5	+02.5	177 00.7	+02.4	177 59.8	+02.5	178 58.9	+02.5	21
22	190 04.9	+02.4	191 04.0	+02.5	192 03.1	+02.5	193 02.3	+02.4	194 01.4	+02.5	22
23	205 07.3	+02.5	206 06.5	+02.4	207 05.6	+02.5	208 04.7	+02.5	209 03.9	+02.4	23

UT	day 126 of 365		day 127 of 365		day 128 of 365		day 129 of 365		day 130 of 365		UT
	May 6	GHA ddGHA	May 7	GHA ddGHA	May 8	GHA ddGHA	May 9	GHA ddGHA	May 10	GHA ddGHA	
00	224 06.3	+02.5	225 05.5	+02.4	226 04.6	+02.5	227 03.8	+02.4	228 02.9	+02.5	00
01	239 08.8	+02.5	240 07.9	+02.5	241 07.1	+02.4	242 06.2	+02.5	243 05.4	+02.4	01
02	254 11.3	+02.4	255 10.4	+02.5	256 09.5	+02.5	257 08.7	+02.4	258 07.8	+02.5	02
03	269 13.7	+02.5	270 12.9	+02.4	271 12.0	+02.5	272 11.1	+02.5	273 10.3	+02.4	03
04	284 16.2	+02.5	285 15.3	+02.5	286 14.5	+02.4	287 13.6	+02.5	288 12.7	+02.5	04
05	299 18.7	+02.4	300 17.8	+02.5	301 16.9	+02.5	302 16.1	+02.4	303 15.2	+02.5	05
06	314 21.1	+02.5	315 20.3	+02.4	316 19.4	+02.5	317 18.5	+02.5	318 17.7	+02.4	06
07	329 23.6	+02.5	330 22.7	+02.5	331 21.9	+02.4	332 21.0	+02.5	333 20.1	+02.5	07
08	344 26.1	+02.4	345 25.2	+02.5	346 24.3	+02.5	347 23.5	+02.4	348 22.6	+02.5	08
09	359 28.5	+02.5	0 27.7	+02.4	1 26.8	+02.5	2 25.9	+02.5	3 25.1	+02.4	09
10	14 31.0	+02.4	15 30.1	+02.5	16 29.3	+02.4	17 28.4	+02.5	18 27.5	+02.5	10
11	29 33.4	+02.5	30 32.6	+02.4	31 31.7	+02.5	32 30.9	+02.4	33 30.0	+02.5	11
12	44 35.9	+02.5	45 35.0	+02.5	46 34.2	+02.4	47 33.3	+02.5	48 32.5	+02.4	12
13	59 38.4	+02.4	60 37.5	+02.5	61 36.6	+02.5	62 35.8	+02.4	63 34.9	+02.5	13
14	74 40.8	+02.5	75 40.0	+02.4	76 39.1	+02.5	77 38.2	+02.5	78 37.4	+02.5	14
15	89 43.3	+02.5	90 42.4	+02.5	91 41.6	+02.4	92 40.7	+02.5	93 39.9	+02.4	15
16	104 45.8	+02.4	105 44.9	+02.5	106 44.0	+02.5	107 43.2	+02.4	108 42.3	+02.5	16
17	119 48.2	+02.5	120 47.4	+02.4	121 46.5	+02.5	122 45.6	+02.5	123 44.8	+02.4	17
18	134 50.7	+02.5	135 49.8	+02.5	136 49.0	+02.4	137 48.1	+02.5	138 47.2	+02.5	18
19	149 53.2	+02.4	150 52.3	+02.5	151 51.4	+02.5	152 50.6	+02.4	153 49.7	+02.5	19
20	164 55.6	+02.5	165 54.8	+02.4	166 53.9	+02.5	167 53.0	+02.5	168 52.2	+02.4	20
21	179 58.1	+02.4	180 57.2	+02.5	181 56.4	+02.4	182 55.5	+02.5	183 54.6	+02.5	21
22	195 00.5	+02.5	195 59.7	+02.5	196 58.8	+02.5	197 58.0	+02.4	198 57.1	+02.5	22
23	210 03.0	+02.5	211 02.2	+02.4	212 01.3	+02.5	213 00.4	+02.5	213 59.6	+02.4	23

	SHA °,	Dec °,		SHA °,	Dec °,		SHA °,	Dec °,		SHA °,	Dec °,	
Alpheratz	357 34.9	N 29 13.7	Gienah	175 43.0	S 17 41.1					Gienah	175 43.0	S 17 41.1
Ankaa	353 07.4	S 42 09.9	Acrux	172 59.3	S 63 14.6					Acrux	172 59.3	S 63 14.6
Schedir	349 31.3	N 56 40.4	Gacrux	171 51.0	S 57 15.4					Gacrux	171 51.0	S 57 15.4
Diphda	348 47.4	S 17 50.9	Alioth	166 12.3	N 55 49.4					Alioth	166 12.4	N 55 49.4
Achernar	335 20.6	S 57 06.4	Spica	158 21.7	S 11 17.7					Spica	158 21.7	S 11 17.7
Hamal	327 51.4	N 23 34.9	Alkaid	152 51.3	N 49 11.2					Alkaid	152 51.3	N 49 11.2
Polaris	314 26.3	N 89 22.3	Hadar	148 35.0	S 60 29.8					Hadar	148 35.0	S 60 29.8
Acamar	315 12.0	S 40 12.2	Menkent	147 56.6	S 36 29.5					Menkent	147 56.6	S 36 29.5
Menkar	314 06.2	N 04 11.3	Arcturus	145 46.9	N 19 03.7					Arcturus	145 46.9	N 19 03.8
Mirfak	308 28.4	N 49 57.0	Rigel Kentaurus	139 36.4	S 60 56.7					Rigel Kentaurus	139 36.4	S 60 56.7
Aldebaran	290 39.7	N 16 33.7	Zubenelgenubi	136 55.4	S 16 08.9					Zubenelgenubi	136 55.4	S 16 08.9
Capella	280 22.0	N 46 01.7	Kocab	137 18.5	N 74 03.0					Kocab	137 18.5	N 74 03.0
Rigel	281 03.9	S 08 10.4	Alphecca	126 03.2	N 26 37.6					Alphecca	126 03.2	N 26 37.7
Bellatrix	278 22.9	N 06 22.3	Antares	112 15.3	S 26 29.3					Antares	112 15.3	S 26 29.3
Elnath	278 01.9	N 28 37.8	Atria	107 08.8	S 69 04.2					Atria	107 08.7	S 69 04.3
Alnilam	275 37.7	S 01 11.2	Sabik	102 02.2	S 15 45.5					Sabik	102 02.2	S 15 45.5
Betelgeuze	270 52.1	N 07 24.7	Shaula	96 09.7	S 37 07.3					Shaula	96 09.7	S 37 07.3
Canopus	263 52.6	S 52 42.8	Rasalhague	95 58.1	N 12 32.4					Rasalhague	95 58.1	N 12 32.4
Sirius	258 26.0	S 16 44.7	Etamin	90 41.7	N 51 28.8					Etamin	90 41.7	N 51 28.8
Adhara	255 05.8	S 29 00.6	Kaus Australis	83 31.9	S 34 22.2					Kaus Australis	83 31.9	S 34 22.2
Castor	245 56.8	N 31 50.1	Vega	80 32.9	N 38 48.0					Vega	80 32.9	N 38 48.0
Procyon	244 50.4	N 05 10.0	Nunki	75 47.3	S 26 15.9					Nunki	75 47.2	S 26 15.9
Pollux	243 16.8	N 27 58.0	Albireo	67 03.8	N 28 00.5					Albireo	67 03.7	N 28 00.5
Avior	234 14.7	S 59 35.7	Altair	61 59.8	N 08 55.8					Altair	61 59.8	N 08 55.8
Suhail	222 46.1	S 43 32.3	Peacock	53 05.3	S 56 39.0					Peacock	53 05.2	S 56 39.0
Miaplacidus	221 38.0	S 69 49.6	Deneb	49 25.6	N 45 21.9					Deneb	49 25.6	N 45 21.9
Alphard	217 47.											

## 2025 - First Point of Aries / Selected Stars

## 2025 - First Point of Aries / Selected Stars

day 151 of 365		day 152 of 365		day 153 of 365		day 154 of 365		day 155 of 365		
UT	May 31	June 1	June 2	June 3	June 4	GHA	ddGHA	GHA	ddGHA	UT
00	248 44.8 +02.5	249 44.0 +02.4	250 43.1 +02.5	251 42.2 +02.5	252 41.4 +02.4	252	41.4 +02.4	253	56.0 +02.5	00
01	263 47.3 +02.5	264 46.4 +02.5	265 45.6 +02.4	266 44.7 +02.5	267 43.8 +02.5	267	43.8 +02.5	268	59.3 +02.5	01
02	278 49.8 +02.4	279 48.9 +02.5	280 48.0 +02.5	281 47.2 +02.4	282 46.3 +02.5	282	46.3 +02.5	283	0.9 +02.5	02
03	293 52.2 +02.5	294 51.4 +02.4	295 50.5 +02.5	296 49.6 +02.5	297 48.8 +02.4	297	48.8 +02.4	298	55.1 +02.5	03
04	308 54.7 +02.4	309 53.8 +02.5	310 53.0 +02.4	311 52.1 +02.5	312 51.2 +02.5	312	51.2 +02.5	313	56.0 +02.5	04
05	323 57.1 +02.5	324 56.3 +02.4	325 55.4 +02.5	326 54.6 +02.4	327 53.7 +02.5	327	53.7 +02.5	328	58.5 +02.4	05
06	338 59.6 +02.5	339 58.7 +02.5	340 57.9 +02.5	341 57.0 +02.5	342 56.2 +02.4	342	56.2 +02.4	343	0.9 +02.5	06
07	354 02.1 +02.4	355 01.2 +02.5	356 00.4 +02.4	356 59.5 +02.5	357 58.6 +02.5	357	58.6 +02.5	358	13.3 +02.4	07
08	9 04.5 +02.5	10 03.7 +02.4	11 02.8 +02.5	12 02.0 +02.4	13 01.1 +02.5	13	01.1 +02.5	14	14.9 +02.4	08
09	24 07.0 +02.5	25 06.1 +02.5	26 05.3 +02.4	27 04.4 +02.5	28 03.6 +02.4	28	03.6 +02.4	29	19.0 +02.5	09
10	39 0.5 +02.4	40 08.6 +02.5	41 07.7 +02.5	42 06.9 +02.4	43 06.0 +02.5	43	06.0 +02.5	44	20.6 +02.5	10
11	54 11.9 +02.5	55 11.1 +02.4	56 10.2 +02.5	57 09.3 +02.5	58 08.5 +02.4	58	08.5 +02.4	59	21.4 +02.5	11
12	69 14.4 +02.5	70 13.5 +02.5	71 12.7 +02.4	72 11.8 +02.5	73 10.9 +02.5	73	10.9 +02.5	74	22.4 +02.5	12
13	84 16.9 +02.4	85 16.0 +02.5	86 15.1 +02.5	87 14.3 +02.4	88 13.4 +02.5	88	13.4 +02.5	89	23.8 +02.4	13
14	99 19.3 +02.5	100 18.5 +02.4	101 17.6 +02.5	102 16.7 +02.5	103 15.9 +02.4	103	15.9 +02.4	104	24.0 +02.5	14
15	114 21.8 +02.4	115 20.9 +02.5	116 20.1 +02.4	117 19.2 +02.5	118 18.3 +02.5	118	18.3 +02.5	119	24.7 +02.5	15
16	129 24.2 +02.5	130 23.4 +02.5	131 22.5 +02.5	132 21.7 +02.4	133 20.8 +02.5	133	20.8 +02.5	134	26.4 +02.5	16
17	144 26.7 +02.5	145 25.9 +02.4	146 25.0 +02.5	147 24.1 +02.5	148 23.3 +02.4	148	23.3 +02.4	149	27.3 +02.5	17
18	159 29.2 +02.4	160 28.3 +02.5	161 27.5 +02.4	162 26.6 +02.5	163 25.7 +02.5	163	25.7 +02.5	164	32.2 +02.5	18
19	174 31.6 +02.5	175 30.8 +02.4	176 29.9 +02.5	177 29.1 +02.4	178 28.2 +02.5	178	28.2 +02.5	179	34.7 +02.5	19
20	189 34.1 +02.5	190 33.2 +02.5	191 32.4 +02.4	192 31.5 +02.5	193 30.7 +02.4	193	30.7 +02.4	194	40.0 +02.5	20
21	204 36.6 +02.4	205 35.7 +02.5	206 34.8 +02.5	207 34.0 +02.5	208 33.1 +02.5	208	33.1 +02.5	209	41.6 +02.5	21
22	219 39.0 +02.5	220 38.2 +02.4	221 37.3 +02.5	222 36.5 +02.4	223 35.6 +02.5	223	35.6 +02.5	224	43.6 +02.5	22
23	234 41.5 +02.5	235 40.6 +02.5	236 39.8 +02.4	237 38.9 +02.5	238 38.1 +02.4	238	38.1 +02.4	239	51.0 +02.4	23

day 136 of 365		day 137 of 365		day 138 of 365		day 139 of 365		day 140 of 365		
UT	May 16	UT	May 17	UT	May 18	UT	May 19	UT	May 20	
00	233 57.7 +02.5	234	56.9 +02.4	235	56.0 +02.5	236	55.1 +02.5	237	54.3 +02.5	00
01	249 00.2 +02.5	249	59.3 +02.5	250	58.5 +02.4	251	57.6 +02.5	252	56.8 +02.4	01
02	264 02.7 +02.4	265	51.8 +02.5	266	00.9 +02.5	267	00.1 +02.4	267	59.2 +02.5	02
03	279 05.1 +02.5	280	04.3 +02.4	281	03.4 +02.5	282	02.5 +02.5	283	01.7 +02.4	03
04	294 07.6 +02.4	295	06.7 +02.5	296	05.9 +02.4	297	05.0 +02.5	298	04.1 +02.5	04
05	309 10.0 +02.5	310	09.2 +02.5	311	08.3 +02.5	312	07.5 +02.4	313	06.6 +02.5	05
06	324 12.5 +02.5	325	11.7 +02.4	326	10.8 +02.5	327	09.9 +02.5	328	09.1 +02.4	06
07	339 15.0 +02.4	340	14.1 +02.5	341	13.3 +02.4	342	12.4 +02.5	343	11.5 +02.5	07
08	354 17.4 +02.5	355	16.6 +02.4	356	15.7 +02.5	357	14.9 +02.4	358	14.0 +02.5	08
09	9 19.9 +02.5	10	19.0 +02.5	11	18.2 +02.4	12	17.3 +02.5	13	16.5 +02.4	09
10	24 22.4 +02.4	25	21.5 +02.5	26	20.6 +02.5	27	19.8 +02.5	28	18.9 +02.5	10
11	39 24.8 +02.5	40	24.0 +02.4	41	23.1 +02.5	42	22.3 +02.4	43	21.4 +02.5	11
12	54 27.3 +02.5	55	26.4 +02.5	56	25.6 +02.4	57	24.7 +02.5	58	23.9 +02.4	12
13	69 29.8 +02.4	70	28.9 +02.5	71	28.0 +02.5	72	27.2 +02.4	73	26.3 +02.5	13
14	84 32.2 +02.5	85	31.4 +02.4	86	30.5 +02.5	87	29.6 +02.5	88	28.8 +02.4	14
15	99 34.7 +02.5	100	33.8 +02.5	101	33.0 +02.4	102	32.1 +02.5	103	31.2 +02.5	15
16	114 37.2 +02.4	115	36.3 +02.5	116	35.4 +02.5	117	34.6 +02.4	118	33.7 +02.5	16
17	129 39.6 +02.5	130	38.8 +02.4	131	37.9 +02.5	132	37.0 +02.5	133	36.2 +02.4	17
18	144 42.1 +02.4	145	41.2 +02.5	146	40.4 +02.4	147	39.5 +02.5	148	38.6 +02.5	18
19	159 44.5 +02.5	160	43.7 +02.5	161	42.8 +02.5	162	42.0 +02.4	163	41.1 +02.5	19
20	174 47.0 +02.5	175	46.2 +02.4	176	45.3 +02.5	177	44.4 +02.5	178	43.6 +02.4	20
21	189 49.5 +02.4	190	48.6 +02.5	191	47.8 +02.4	192	46.9 +02.5	193	46.0 +02.5	21
22	204 51.9 +02.5	205	51.1 +02.4	206	50.2 +02.5	207	49.4 +02.4	208	48.5 +02.5	22
23	219 54.4 +02.5	220	53.5 +02.5	221	52.7 +02.4	222	51.8 +02.5	223	51.0 +02.4	23

SHA ° ,'		Dec ° ,'		SHA ° ,'		Dec ° ,'		SHA ° ,'		Dec ° ,'	
Alpheratz	357 34.7	N	29 13.7	Gienah	175 43.1	S	17 41.1				
Ankaa	353 07.1	S	42 09.7	Acrux	172 59.4	S	63 14.7				
Schedir	349 31.0	N	56 40.4	Gacrux	171 51.1	S	57 15.5				
Diphda	348 47.2	S	17 50.8	Alioth	166 12.5	N	55 49.5				
Achernar	335 20.4	S	57 06.2	Spica	158 21.7	S	11 17.7				
Hamal	327 51.2	N	23 34.9	Alkaid	152 51.3	N	23 34.9				
Polaris	314 21.5	N	89 22.1	Hadar	148 35.0	S	60 29.9				
Acamar	315 11.9	S	40 12.1	Menkent	147 56.6	S	36 29.6				
Menkar	314 06.1	N	04 11.4	Arcturus	145 46.9	N	19 03.8				
Mirfak	308 28.3	N	49 57.0	Rigel Kentaurus	139 36.3	S	60 56.7				
Aldebaran	290 39.6	N	16 33.7	Zubenelgenubi	136 55.3	S	16 08.9				
Capella	280 21.9	N	46 01.6	Kocab	137 18.7	N	74 03.1				
Rigel	281 03.9	S	08 10.4	Alphecca	126 03.2	N	26 37.7				
Bellatrix	278 22.9	N	06 22.3	Antares	112 15.2	S	26 29.3				
Elnath	278 01.9	N	28 37.8	Atria	107 08.5	S	69 04.4				
Alnilam	275 37.7	S	01 11.2	Sabik	102 02.1	S	15 45.5				
Betelgeuze	270 52.1	N	07 24.7	Shaula	96 09.5	S	37 07.3				
Canopus	263 52.8	S	52 42.6	Rasalhague	95 58.0	N	12 32.4				
Sirius	258 26.1	S	16 44.6	Etamin	90 41.5	N	51 28.9				
Adhara	255 05.9	S	29 00.5	Kaus Australis	83 31.7	S	34 22.2				
Castor	245 56.9	N	31 50.1	Vega	80 32.7	N	38 48.1				
Procyon	244 50.5	N	05 10.0	Nunki	75 47.1	S	26 15.9				
Pollux	243 16.8	N	27 58.0	Albireo	67 03.5	N	28 00.5				
Avior	234 15.0	S	59 35.7	Altair	61 59.6	N	08 55.9				
Suhail	222 46.3	S	43 32.3	Peacock	53 04.9	S	56 38.9				
Miaplacidus	221 38.4	S	69 49.6	Deneb	49 25.4	N	45 22.0				
Alphard	217 47.6	S	08 46.2	Enif	33 38.4	N	09 59.4				
Regulus	207 34.0	N	11 50.6	Alnair	27 32.5	S	46 50.0				
Dubhe	193 40.4	N	61 37.1	Formalhaut	15 14.3	S	29 2				

## 2025 - First Point of Aries / Selected Stars

## 2025 - First Point of Aries / Selected Stars

UT	day 141 of 365		day 142 of 365		day 143 of 365		day 144 of 365		day 145 of 365		UT
	May 21	GHA ddGHA	May 22	GHA ddGHA	May 23	GHA ddGHA	May 24	GHA ddGHA	May 25	GHA ddGHA	
00	238 53.4	+02.5	239 52.6	+02.4	240 51.7	+02.5	241 50.8	+02.5	242 50.0	+02.4	00
01	253 55.9	+02.5	254 55.0	+02.5	255 54.2	+02.4	256 53.3	+02.5	257 52.4	+02.5	01
02	268 58.4	+02.4	269 57.5	+02.5	270 56.6	+02.5	271 55.8	+02.4	272 54.9	+02.5	02
03	284 00.8	+02.5	284 60.0	+02.4	285 59.1	+02.5	286 58.2	+02.5	287 57.4	+02.4	03
04	299 03.3	+02.4	300 02.4	+02.5	301 01.6	+02.4	302 00.7	+02.5	302 59.8	+02.5	04
05	314 05.7	+02.5	315 04.9	+02.4	316 04.0	+02.5	317 03.2	+02.4	318 02.3	+02.5	05
06	329 08.2	+02.5	330 07.3	+02.5	331 06.5	+02.4	332 05.6	+02.5	333 04.8	+02.4	06
07	344 10.7	+02.4	345 09.8	+02.5	346 08.9	+02.5	347 08.1	+02.5	348 07.2	+02.5	07
08	359 13.1	+02.5	0 12.3	+02.4	1 11.4	+02.5	2 10.6	+02.4	3 09.7	+02.5	08
09	14 15.6	+02.5	15 14.7	+02.5	16 13.9	+02.4	17 13.0	+02.5	18 12.2	+02.4	09
10	29 18.1	+02.4	30 17.2	+02.5	31 16.3	+02.5	32 15.5	+02.4	33 14.6	+02.5	10
11	44 20.5	+02.5	45 19.7	+02.4	46 18.8	+02.5	47 17.9	+02.5	48 17.1	+02.4	11
12	59 23.0	+02.5	60 22.1	+02.5	61 21.3	+02.4	62 20.4	+02.5	63 19.5	+02.5	12
13	74 25.5	+02.4	75 24.6	+02.5	76 23.7	+02.5	77 22.9	+02.4	78 22.0	+02.5	13
14	89 27.9	+02.5	90 27.1	+02.4	91 26.2	+02.5	92 25.3	+02.5	93 24.5	+02.4	14
15	104 30.4	+02.4	105 29.5	+02.5	106 28.7	+02.4	107 27.8	+02.5	108 26.9	+02.5	15
16	119 32.8	+02.5	120 32.0	+02.5	121 31.1	+02.5	122 30.3	+02.4	123 29.4	+02.5	16
17	134 35.3	+02.5	135 34.5	+02.4	136 33.6	+02.5	137 32.7	+02.5	138 31.9	+02.4	17
18	149 37.8	+02.4	150 36.9	+02.5	151 36.1	+02.4	152 35.2	+02.5	153 34.3	+02.5	18
19	164 40.2	+02.5	165 39.4	+02.4	166 38.5	+02.5	167 37.7	+02.4	168 36.8	+02.5	19
20	179 42.7	+02.5	180 41.8	+02.5	181 41.0	+02.4	182 40.1	+02.5	183 39.3	+02.4	20
21	194 45.2	+02.4	195 44.3	+02.5	196 43.4	+02.5	197 42.6	+02.4	198 41.7	+02.5	21
22	209 47.6	+02.5	210 46.8	+02.4	211 45.9	+02.5	212 45.0	+02.5	213 44.2	+02.5	22
23	224 50.1	+02.5	225 49.2	+02.5	226 48.4	+02.4	227 47.5	+02.5	228 46.7	+02.4	23

UT	day 146 of 365		day 147 of 365		day 148 of 365		day 149 of 365		day 150 of 365		UT
	May 26	GHA ddGHA	May 27	GHA ddGHA	May 28	GHA ddGHA	May 29	GHA ddGHA	May 30	GHA ddGHA	
00	243 49.1	+02.5	244 48.3	+02.4	245 47.4	+02.5	246 46.5	+02.5	247 45.7	+02.4	00
01	258 51.6	+02.4	259 50.7	+02.5	260 49.9	+02.4	261 49.0	+02.5	262 48.1	+02.5	01
02	273 54.0	+02.5	274 53.2	+02.4	275 52.3	+02.5	276 51.5	+02.4	277 50.6	+02.5	02
03	288 56.5	+02.5	289 55.6	+02.5	290 54.8	+02.5	291 53.9	+02.5	292 53.1	+02.4	03
04	303 59.0	+02.4	304 58.1	+02.5	305 57.3	+02.4	306 56.4	+02.5	307 55.5	+02.5	04
05	319 01.4	+02.5	320 00.6	+02.4	320 59.7	+02.5	321 58.9	+02.4	322 58.0	+02.5	05
06	334 03.9	+02.5	335 03.0	+02.5	336 02.2	+02.4	337 01.3	+02.5	338 00.5	+02.4	06
07	349 06.4	+02.4	350 05.5	+02.5	351 04.6	+02.5	352 03.8	+02.5	353 02.9	+02.5	07
08	4 08.8	+02.5	5 08.0	+02.4	6 07.1	+02.5	7 06.3	+02.4	8 05.4	+02.5	08
09	19 11.3	+02.5	20 10.4	+02.5	21 09.6	+02.4	22 08.7	+02.5	23 07.9	+02.4	09
10	34 13.8	+02.4	35 12.9	+02.5	36 12.0	+02.5	37 11.2	+02.4	38 10.3	+02.5	10
11	49 16.2	+02.5	50 15.4	+02.4	51 14.5	+02.5	52 13.6	+02.5	53 12.8	+02.5	11
12	64 18.7	+02.5	65 17.8	+02.5	66 17.0	+02.4	67 16.1	+02.5	68 15.3	+02.4	12
13	79 21.2	+02.4	80 20.3	+02.5	81 19.4	+02.5	82 18.6	+02.4	83 17.7	+02.5	13
14	94 23.6	+02.5	95 22.8	+02.4	96 21.9	+02.5	97 21.0	+02.5	98 20.2	+02.4	14
15	109 26.1	+02.4	110 25.2	+02.5	111 24.4	+02.4	112 23.5	+02.5	113 22.6	+02.5	15
16	124 28.5	+02.5	125 27.7	+02.4	126 26.8	+02.5	127 26.0	+02.4	128 25.1	+02.5	16
17	139 31.0	+02.5	140 30.1	+02.5	141 29.3	+02.5	142 28.4	+02.5	143 27.6	+02.4	17
18	154 33.5	+02.4	155 32.6	+02.5	156 31.8	+02.4	157 30.9	+02.5	158 30.0	+02.5	18
19	169 35.9	+02.5	170 35.1	+02.4	171 34.2	+02.5	172 33.4	+02.4	173 32.5	+02.5	19
20	184 38.4	+02.5	185 37.5	+02.5	186 36.7	+02.4	187 35.8	+02.5	188 35.0	+02.4	20
21	199 40.9	+02.4	200 40.0	+02.5	201 39.1	+02.5	202 38.3	+02.5	203 37.4	+02.5	21
22	214 43.3	+02.5	215 42.5	+02.4	216 41.6	+02.5	217 40.8	+02.4	218 39.9	+02.5	22
23	229 45.8	+02.5	230 44.9	+02.5	231 44.1	+02.4	232 43.2	+02.5	233 42.4	+02.4	23

	SHA °,	Dec °,		SHA °,	Dec °,		SHA °,	Dec °,		SHA °,	Dec °,
Alpheratz	357 34.7	N 29 13.7	Gienah	175 43.1	S 17 41.1		Gienah	175 43.1	S 17 41.1		
Ankaa	353 07.2	S 42 09.8	Acrux	172 59.4	S 63 14.7		Acrux	172 59.4	S 63 14.7		
Schedir	349 31.2	N 56 40.4	Gacrux	171 51.0	S 57 15.5		Gacrux	171 51.1	S 57 15.5		
Diphda	348 47.3	S 17 50.8	Alioth	166 12.4	N 55 49.5		Alioth	166 12.4	N 55 49.5		
Achernar	335 20.5	S 57 06.3	Spica	158 21.7	S 11 17.7		Spica	158 21.7	S 11 17.7		
Hamal	327 51.3	N 23 34.9	Alkaid	152 51.3	N 49 11.3		Alkaid	152 51.3	N 49 11.3		
Polaris	314 24.2	N 89 22.2	Hadar	148 35.0	S 60 29.9		Hadar	148 35.0	S 60 29.9		
Acamar	315 11.9	S 40 12.1	Menket	147 56.6	S 36 29.6		Menket	147 56.6	S 36 29.6		
Menkar	314 06.2	N 04 11.3	Arcturus	145 46.9	N 19 03.8		Arcturus	145 46.9	N 19 03.8		
Mirfak	308 28.4	N 49 57.0	Rigel Kentaurus	139 36.3	S 60 56.8		Rigel Kentaurus	139 36.3	S 60 56.8		
Aldebaran	290 39.7	N 16 33.7	Zubenelgenubi	136 55.3	S 16 08.9		Zubenelgenubi	136 55.3	S 16 08.9		
Capella	280 22.0	N 46 01.6	Kocab	137 18.6	N 74 03.1		Kocab	137 18.6	N 74 03.1		
Rigel	281 03.9	S 08 10.4	Alphecca	126 03.2	N 26 37.7		Alphecca	126 03.2	N 26 37.7		
Bellatrix	278 22.9	N 06 22.3	Antares	112 15.2	S 26 29.3		Antares	112 15.2	S 26 29.3		
Elnath	278 01.9	N 28 37.8	Atria	107 08.6	S 69 04.3		Atria	107 08.5	S 69 04.3		
Alnilam	275 37.8	S 01 11.2	Sabik	102 02.1	S 15 45.5		Sabik	102 02.1	S 15 45.5		
Betelgeuze	270 52.1	N 07 24.7	Shaula	96 09.6	S 37 07.3		Shaula	96 09.6	S 37 07.3		
Canopus	263 52.7	S 52 42.7	Rasalhague	95 58.0	N 12 32.5		Rasalhague	95 58.0	N 12 32.5		
Sirius	258 26.1	S 16 44.6	Etamin	90 41.6	N 51 28.9		Etamin	90 41.5	N 51 28.9		
Adhara	255 05.9	S 29 00.5	Kaus Australis	83 31.8	S 34 22.2		Kaus Australis	83 31.8	S 34 22.2		
Castor	245 56.9	N 31 50.1	Vega	80 32.8	N 38 48.1		Vega	80 32.8	N 38 48.1		
Procyon	244 50.5	N 05 10.0	Nunki	75 47.1	S 26 15.9		Nunki	75 47.1	S 26 15.9		
Pollux	243 16.8	N 27 58.0	Albireo	67 03.6	N 28 00.5		Albireo	67 03.6	N 28 00.6		
Avior	234 14.9	S 59 35.7	Altair	61 59.7	N 08 55.8		Altair	61 59.7	N 08 55.8		
Suhail	222 46.2	S 43 32.3	Peacock	53 05.0	S 56 38.9		Peacock	53 05.0	S 56 38.9		
Miaplacidus	221 38.3	S 69 49.6	Deneb	49 25.5	N 45 21.9		Deneb	49 25.4	N 45 22.0		
Alphard	217 47.5	S 08 46.2	Enif	33 38.5	N 09 59.3		Enif	33 38.5	N 09 59.4		

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## 2025 - First Point of Aries / Selected Stars

UT	day 171 of 365		day 172 of 365		day 173 of 365		day 174 of 365		day 175 of 365		UT	
	June	20	June	21	June	22	June	23	June	24		
00	268	27.6	+02.5	269	26.7	+02.5	270	25.9	+02.4	271	25.0	+02.5
01	283	30.1	+02.4	284	29.2	+02.5	285	28.3	+02.5	286	27.5	+02.5
02	298	32.5	+02.5	299	31.7	+02.4	300	30.8	+02.5	301	30.0	+02.4
03	313	35.0	+02.5	314	34.1	+02.5	315	33.3	+02.4	316	32.4	+02.5
04	328	37.5	+02.4	329	36.6	+02.5	330	35.7	+02.5	331	34.9	+02.4
05	343	39.9	+02.5	344	39.1	+02.4	345	38.2	+02.5	346	37.3	+02.5
06	358	42.4	+02.5	359	41.5	+02.5	0	40.7	+02.4	1	39.8	+02.5
07	13	44.9	+02.4	14	44.0	+02.5	15	43.1	+02.5	16	42.3	+02.4
08	28	47.3	+02.5	29	46.5	+02.4	30	45.6	+02.5	31	44.7	+02.5
09	43	49.8	+02.4	44	48.9	+02.5	45	48.1	+02.4	46	47.2	+02.5
10	58	52.2	+02.5	59	51.4	+02.5	60	50.5	+02.5	61	49.7	+02.4
11	73	54.7	+02.5	74	53.9	+02.4	75	53.0	+02.5	76	52.1	+02.5
12	88	57.2	+02.4	89	56.3	+02.5	90	55.5	+02.4	91	54.6	+02.5
13	103	59.6	+02.5	104	58.8	+02.4	105	57.9	+02.5	106	57.1	+02.4
14	119	02.1	+02.5	120	01.2	+02.5	121	00.4	+02.4	121	59.5	+02.5
15	134	04.6	+02.4	135	03.7	+02.5	136	02.8	+02.5	137	02.0	+02.5
16	149	07.0	+02.5	150	06.2	+02.4	151	05.3	+02.5	152	04.5	+02.4
17	164	09.5	+02.5	165	08.6	+02.5	166	07.8	+02.4	167	06.9	+02.5
18	179	12.0	+02.4	180	11.1	+02.5	181	10.2	+02.5	182	09.4	+02.4
19	194	14.4	+02.5	195	13.6	+02.4	196	12.7	+02.5	197	11.8	+02.5
20	209	16.9	+02.5	210	16.0	+02.5	211	15.2	+02.4	212	14.3	+02.5
21	224	19.4	+02.4	225	18.5	+02.5	226	17.6	+02.5	227	16.8	+02.4
22	239	21.8	+02.5	240	21.0	+02.4	241	20.1	+02.5	242	19.2	+02.5
23	254	24.3	+02.4	255	23.4	+02.5	256	22.6	+02.4	257	21.7	+02.5

UT	day 156 of 365		day 157 of 365		day 158 of 365		day 159 of 365		day 160 of 365		UT	
	June	5	June	6	June	7	June	8	June	9		
00	253	40.5	+02.5	254	39.7	+02.4	255	38.8	+02.5	256	37.9	+02.5
01	268	43.0	+02.4	269	42.1	+02.5	270	41.3	+02.4	271	40.4	+02.5
02	283	45.4	+02.5	284	44.6	+02.4	285	43.7	+02.5	286	42.9	+02.4
03	298	47.9	+02.5	299	47.0	+02.5	300	46.2	+02.4	301	45.3	+02.5
04	313	50.4	+02.4	314	49.5	+02.5	315	48.6	+02.5	316	47.8	+02.5
05	328	52.8	+02.5	329	52.0	+02.4	330	51.1	+02.5	331	50.3	+02.4
06	343	55.3	+02.5	344	54.4	+02.5	345	53.6	+02.4	346	52.7	+02.5
07	358	57.8	+02.4	359	56.9	+02.5	0	56.0	+02.5	1	55.2	+02.4
08	14	00.2	+02.5	14	59.4	+02.4	15	58.5	+02.5	16	57.6	+02.5
09	29	02.7	+02.5	30	01.8	+02.5	31	01.0	+02.4	32	00.1	+02.5
10	44	05.2	+02.4	45	04.3	+02.5	46	03.4	+02.5	47	02.6	+02.4
11	59	07.6	+02.5	60	06.8	+02.4	61	05.9	+02.5	62	05.0	+02.5
12	74	10.1	+02.4	75	09.2	+02.5	76	08.4	+02.4	77	07.5	+02.5
13	89	12.5	+02.5	90	11.7	+02.5	91	10.8	+02.5	92	10.0	+02.4
14	104	15.0	+02.5	105	14.2	+02.4	106	13.3	+02.5	107	12.4	+02.5
15	119	17.5	+02.4	120	16.6	+02.5	121	15.8	+02.4	122	14.9	+02.5
16	134	19.9	+02.5	135	19.1	+02.4	136	18.2	+02.5	137	17.4	+02.4
17	149	22.4	+02.5	150	21.5	+02.5	151	20.7	+02.4	152	19.8	+02.5
18	164	24.9	+02.4	165	24.0	+02.5	166	23.1	+02.5	167	22.3	+02.4
19	179	27.3	+02.5	180	26.5	+02.4	181	25.6	+02.5	182	24.7	+02.5
20	194	29.8	+02.5	195	28.9	+02.5	196	28.1	+02.4	197	27.2	+02.5
21	209	32.3	+02.4	210	31.4	+02.5	211	30.5	+02.5	212	29.7	+02.4
22	224	34.7	+02.5	225	33.9	+02.4	226	33.0	+02.5	227	32.1	+02.5
23	239	37.2	+02.5	240	36.3	+02.5	241	35.5	+02.4	242	34.6	+02.5

	SHA	Dec		SHA	Dec		SHA	Dec		SHA	Dec	
	° ,	° ,		° ,	° ,		° ,	° ,		° ,	° ,	
Alpheratz	357	34.5	N 29 13.8	Gienah	175	43.1	S 17 41.1			Gienah	175 43.1	S 17 41.1
Ankaa	353	07.0	S 42 09.7	Acrux	172	59.6	S 63 14.7			Acrux	172 59.5	S 63 14.7
Schedir	349	30.8	N 56 40.4	Gacrux	171	51.2	S 57 15.5			Gacrux	171 51.1	S 57 15.5
Diphda	348	47.1	S 17 50.7	Alioth	166	12.6	N 55 49.5			Alioth	166 12.5	N 55 49.5
Achernar	335	20.2	S 57 06.1	Spica	158	21.8	S 11 17.7			Spica	158 21.7	S 11 17.7
Hamal	327	51.1	N 23 34.9	Alkaid	152	51.4	N 49 11.4			Alkaid	152 51.3	N 49 11.3
Polaris	314	14.9	N 89 22.1	Hadar	148	35.1	S 60 30.0			Hadar	148 35.1	S 60 30.0
Acamar	315	11.8	S 40 12.0	Menket	147	56.6	S 36 29.6			Menket	147 56.6	S 36 29.6
Menkar	314	06.0	N 04 11.4	Arcturus	145	46.9	N 19 03.9			Arcturus	145 46.9	N 19 03.8
Mirfak	308	28.2	N 49 56.9	Rigel Kentaurus	139	36.4	S 60 56.9			Rigel Kentaurus	139 36.3	S 60 56.8
Aldebaran	290	39.6	N 16 33.7	Zubenelgenubi	136	55.3	S 16 08.9			Zubenelgenubi	136 55.3	S 16 08.9
Capella	280	21.9	N 46 01.5	Kocab	137	18.9	N 74 03.2			Kocab	137 18.7	N 74 03.1
Rigel	281	03.9	S 08 10.3	Alphecca	126	03.2	N 26 37.8			Alphecca	126 03.2	N 26 37.8
Bellatrix	278	22.8	N 06 22.4	Antares	112	15.1	S 26 29.4			Antares	112 15.2	S 26 29.4
Elnath	278	01.8	N 28 37.8	Atria	107	08.4	S 69 04.5			Atria	107 08.5	S 69 04.4
Alnilam	275	37.7	S 01 11.1	Sabik	102	02.0	S 15 45.5			Sabik	102 02.1	S 15 45.5
Betelgeuze	270	52.0	N 07 24.7	Shaula	96	09.4	S 37 07.3			Shaula	96 09.5	S 37 07.3
Canopus	263	52.8	S 52 42.5	Rasalhague	95	57.9	N 12 32.6			Rasalhague	95 57.9	N 12 32.5
Sirius	258	26.1	S 16 44.5	Etamin	90	41.5	N 51 29.1			Etamin	90 41.5	N 51 29.0
Adhara	255	05.9	S 29 00.4	Kaus Australis	83	31.6	S 34 22.3			Kaus Australis	83 31.7	S 34 22.3
Castor	245	56.9	N 31 50.1	Vega	80	32.6	N 38 48.2			Vega	80 32.7	N 38 48.1
Procyon	244	50.5	N 05 10.0	Nunki	75	46.9	S 26 15.8			Nunki	75 47.0	S 26 15.8
Pollux	243	16.8	N 27 58.0	Albireo	67	03.4	N 28 00.7			Albireo	67 03.5	N 28 00.6
Avior	234	15.1	S 59 35.6	Altair	61	59.5	N 08 55.9			Altair	61 59.6	N 08 55.9
Suhail	222	46.3	S 43 32.3	Peacock	53	04.7	S 56 39.0			Peacock	53 04.8	S 56 38.9
Miaplacidus	221	38.7	S 69 49.5	Deneb	49	25.2	N 45 22.1			Deneb	49 25.3	N 45 22.0
Alphard	217	47.6	S 08 46.2	Enif	33	38.3	N 09 59.4			Enif	33 38.4	N 09 59.4
Regulus	207	34.1	N 11 50.6	Alnair	27	32.3	S 46 50.0			Alnair	27 32.4	S 46 50.0
Dubhe	193	40.6	N 61 37.1	Formalhaut	15	14.2	S 29 29.0			Formalhaut	15 14.3	S 29 29.0
Denebola	182	24.4	N 14 25.9	Markab	13	29.5	N 15 20.5			Markab	13 29.6	N 15 20.4

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

UT	day 161 of 365		day 162 of 365		day 163 of 365		day 164 of 365		day 165 of 365		UT
	June 10	GHA ddGHA	June 11	GHA ddGHA	June 12	GHA ddGHA	June 13	GHA ddGHA	June 14	GHA ddGHA	
00	258 36.2	+02.5	259 35.4	+02.4	260 34.5	+02.5	261 33.6	+02.5	262 32.8	+02.4	00
01	273 38.7	+02.4	274 37.8	+02.5	275 37.0	+02.4	276 36.1	+02.5	277 35.2	+02.5	01
02	288 41.1	+02.5	289 40.3	+02.4	290 39.4	+02.5	291 38.6	+02.4	292 37.7	+02.5	02
03	303 43.6	+02.5	304 42.7	+02.5	305 41.9	+02.4	306 41.0	+02.5	307 40.2	+02.4	03
04	318 46.1	+02.4	319 45.2	+02.5	320 44.3	+02.5	321 43.5	+02.5	322 42.6	+02.5	04
05	333 48.5	+02.5	334 47.7	+02.4	335 46.8	+02.5	336 46.0	+02.4	337 45.1	+02.5	05
06	348 51.0	+02.5	349 50.1	+02.5	350 49.3	+02.4	351 48.4	+02.5	352 47.6	+02.4	06
07	3 53.5	+02.4	4 52.6	+02.5	5 51.7	+02.5	6 50.9	+02.4	7 50.0	+02.5	07
08	18 55.9	+02.5	19 55.1	+02.4	20 54.2	+02.5	21 53.3	+02.5	22 52.5	+02.5	08
09	33 58.4	+02.5	34 57.5	+02.5	35 56.7	+02.4	36 55.8	+02.5	37 55.0	+02.4	09
10	49 00.9	+02.4	49 60.0	+02.5	50 59.1	+02.5	51 58.3	+02.4	52 57.4	+02.5	10
11	64 03.3	+02.5	65 02.5	+02.4	66 01.6	+02.5	67 00.7	+02.5	67 59.9	+02.4	11
12	79 05.8	+02.4	80 04.9	+02.5	81 04.1	+02.4	82 03.2	+02.5	83 02.3	+02.5	12
13	94 08.2	+02.5	95 07.4	+02.5	96 06.5	+02.5	97 05.7	+02.4	98 04.8	+02.5	13
14	109 10.7	+02.5	110 09.9	+02.4	111 09.0	+02.5	112 08.1	+02.5	113 07.3	+02.4	14
15	124 13.2	+02.4	125 12.3	+02.5	126 11.5	+02.4	127 10.6	+02.5	128 09.7	+02.5	15
16	139 15.6	+02.5	140 14.8	+02.4	141 13.9	+02.5	142 13.1	+02.4	143 12.2	+02.5	16
17	154 18.1	+02.5	155 17.2	+02.5	156 16.4	+02.4	157 15.5	+02.5	158 14.7	+02.4	17
18	169 20.6	+02.4	170 19.7	+02.5	171 18.8	+02.5	172 18.0	+02.5	173 17.1	+02.5	18
19	184 23.0	+02.5	185 22.2	+02.4	186 21.3	+02.5	187 20.5	+02.4	188 19.6	+02.5	19
20	199 25.5	+02.5	200 24.6	+02.5	201 23.8	+02.4	202 22.9	+02.5	203 22.1	+02.4	20
21	214 28.0	+02.4	215 27.1	+02.5	216 26.2	+02.5	217 25.4	+02.4	218 24.5	+02.5	21
22	229 30.4	+02.5	230 29.6	+02.4	231 28.7	+02.5	232 27.8	+02.5	233 27.0	+02.5	22
23	244 32.9	+02.5	245 32.0	+02.5	246 31.2	+02.4	247 30.3	+02.5	248 29.5	+02.4	23

UT	day 166 of 365		day 167 of 365		day 168 of 365		day 169 of 365		day 170 of 365		UT
	June 15	GHA ddGHA	June 16	GHA ddGHA	June 17	GHA ddGHA	June 18	GHA ddGHA	June 19	GHA ddGHA	
00	263 31.9	+02.5	264 31.1	+02.4	265 30.2	+02.5	266 29.3	+02.5	267 28.5	+02.4	00
01	278 34.4	+02.4	279 33.5	+02.5	280 32.7	+02.4	281 31.8	+02.5	282 30.9	+02.5	01
02	293 36.8	+02.5	294 36.0	+02.4	295 35.1	+02.5	296 34.3	+02.4	297 33.4	+02.5	02
03	308 39.3	+02.5	309 38.4	+02.5	310 37.6	+02.5	311 36.7	+02.5	312 35.9	+02.4	03
04	323 41.8	+02.4	324 40.9	+02.5	325 40.1	+02.4	326 39.2	+02.5	327 38.3	+02.5	04
05	338 44.2	+02.5	339 43.4	+02.4	340 42.5	+02.5	341 41.7	+02.4	342 40.8	+02.5	05
06	353 46.7	+02.5	354 45.8	+02.5	355 45.0	+02.4	356 44.1	+02.5	357 43.3	+02.4	06
07	8 49.2	+02.4	9 48.3	+02.5	10 47.4	+02.5	11 46.6	+02.4	12 45.7	+02.5	07
08	23 51.6	+02.5	24 50.8	+02.4	25 49.9	+02.5	26 49.0	+02.5	27 48.2	+02.4	08
09	38 54.1	+02.5	39 53.2	+02.5	40 52.4	+02.4	41 51.5	+02.5	42 50.6	+02.5	09
10	53 56.6	+02.4	54 55.7	+02.5	55 54.8	+02.5	56 54.0	+02.4	57 53.1	+02.5	10
11	68 59.0	+02.5	69 58.2	+02.4	70 57.3	+02.5	71 56.4	+02.5	72 55.6	+02.4	11
12	84 01.5	+02.4	85 00.6	+02.5	85 59.8	+02.4	86 58.9	+02.5	87 58.0	+02.5	12
13	99 03.9	+02.5	100 03.1	+02.5	101 02.2	+02.5	102 01.4	+02.4	103 00.5	+02.5	13
14	114 06.4	+02.5	115 05.6	+02.4	116 04.7	+02.5	117 03.8	+02.5	118 03.0	+02.4	14
15	129 08.9	+02.4	130 08.0	+02.5	131 07.2	+02.4	132 06.3	+02.5	133 05.4	+02.5	15
16	144 11.3	+02.5	145 10.5	+02.4	146 09.6	+02.5	147 08.8	+02.4	148 07.9	+02.5	16
17	159 13.8	+02.5	160 12.9	+02.5	161 12.1	+02.4	162 11.2	+02.5	163 10.4	+02.4	17
18	174 16.3	+02.4	175 15.4	+02.5	176 14.5	+02.5	177 13.7	+02.4	178 12.8	+02.5	18
19	189 18.7	+02.5	190 17.9	+02.4	191 17.0	+02.5	192 16.1	+02.5	193 15.3	+02.5	19
20	204 21.2	+02.5	205 20.3	+02.5	206 19.5	+02.4	207 18.6	+02.5	208 17.8	+02.4	20
21	219 23.7	+02.4	220 22.8	+02.5	221 21.9	+02.5	222 21.1	+02.4	223 20.2	+02.5	21
22	234 26.1	+02.5	235 25.3	+02.4	236 24.4	+02.5	237 23.5	+02.5	238 22.7	+02.4	22
23	249 28.6	+02.5	250 27.7	+02.5	251 26.9	+02.4	252 26.0	+02.5	253 25.1	+02.5	23

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357 34.6	N 29 13.7	Gienah	175 43.1	S 17 41.1	
Ankaa	353 07.1	S 42 09.7	Acrux	172 59.5	S 63 14.7	
Schedir	349 30.9	N 56 40.4	Gacrux	171 51.1	S 57 15.5	
Diphda	348 47.2	S 17 50.7	Alioth	166 12.5	N 55 49.5	
Achernar	335 20.3	S 57 06.2	Spica	158 21.8	S 11 17.7	
Hamal	327 51.1	N 23 34.9	Alkaid	152 51.4	N 49 11.3	
Polaris	314 18.6	N 89 22.1	Hadar	148 35.1	S 60 30.0	
Acamar	315 11.8	S 40 12.0	Menkent	147 56.6	S 36 29.6	
Menkar	314 06.1	N 04 11.4	Arcturus	145 46.9	N 19 03.9	
Mirfak	308 28.2	N 49 57.0	Rigel Kentaurus	139 36.4	S 60 56.9	
Aldebaran	290 39.6	N 16 33.7	Zubenelgenubi	136 55.3	S 16 08.9	
Capella	280 21.9	N 46 01.6	Kocab	137 18.8	N 74 03.2	
Rigel	281 03.9	S 08 10.3	Alphecca	126 03.2	N 26 37.8	
Bellatrix	278 22.8	N 06 22.4	Antares	112 15.2	S 26 29.4	
Elnath	278 01.8	N 28 37.8	Atria	107 08.4	S 69 04.4	
Alnilam	275 37.7	S 01 11.1	Sabik	102 02.1	S 15 45.5	
Betelgeuze	270 52.1	N 07 24.7	Shaula	96 09.5	S 37 07.3	
Canopus	263 52.8	S 52 42.6	Rasalhague	95 57.9	N 12 32.5	
Sirius	258 26.1	S 16 44.6	Etamin	90 41.5	N 51 29.0	
Adhara	255 05.9	S 29 00.4	Kaus Australis	83 31.6	S 34 22.3	
Castor	245 56.9	N 31 50.1	Vega	80 32.7	N 38 48.2	
Procyon	244 50.5	N 05 10.0	Nunki	75 47.0	S 26 15.8	
Pollux	243 16.8	N 27 58.0	Albireo	67 03.5	N 28 00.7	
Avior	234 15.1	S 59 35.7	Altair	61 59.6	N 08 55.9	
Suhail	222 46.3	S 43 32.3	Peacock	53 04.8	S 56 39.0	
Miplacidus	221 38.6	S 69 49.6	Deneb	49 25.3	N 45 22.1	
Alphard	217 47.6	S 08 46.2	Enif	33 38.3	N 09 59.4	
Regulus	207 34.1	N 11 50.6	Alnair	27 32.4	S 46 50.0	
Dubhe	193 40.5	N 61 37.1	Formalhaut	15 14.2	S 29 29.0	
Denebola	182 24.4	N 14 25.9	Markab	13 29.6	N 15 20.5	

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357 34.5	N 29 13.8	Gienah	175 43.1	S 17 41.1	
Ankaa	353 07.0	S 42 09.7	Acrux	172 59.5	S 63 14.7	
Schedir	349 30.9	N 56 40.4	Gacrux	171 51.2	S 57 15.5	
Diphda	348 47.1	S 17 50.7	Alioth	166 12.6	N 55 49.5	
Achernar	335 20.3	S 57 06.2	Spica	158 21.8	S 11 17.7	
Hamal	327 51.1	N 23 34.9	Alkaid	152 51.4	N 49 11.4	
Polaris	314 16.6	N 89 22.1	Hadar	148 35.1	S 60 30.0	
Acamar	315 11.8	S 40 12.0	Menkent	147 56.6	S 36 29.6	
Menkar	314 06.0	N				

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## 2025 - First Point of Aries / Selected Stars

UT	day 191 of 365		day 192 of 365		day 193 of 365		day 194 of 365		day 195 of 365		UT
	July 10	GHA ddGHA	July 11	GHA ddGHA	July 12	GHA ddGHA	July 13	GHA ddGHA	July 14	GHA ddGHA	
00	288	10.4 +02.5	289	09.5 +02.5	290	08.7 +02.4	291	07.8 +02.5	292	07.0 +02.4	00
01	303	12.9 +02.4	304	12.0 +02.5	305	11.1 +02.5	306	10.3 +02.5	307	09.4 +02.5	01
02	318	15.3 +02.5	319	14.5 +02.4	320	13.6 +02.5	321	12.8 +02.4	322	11.9 +02.5	02
03	333	17.8 +02.5	334	16.9 +02.5	335	16.1 +02.4	336	15.2 +02.5	337	14.4 +02.4	03
04	348	20.3 +02.4	349	19.4 +02.5	350	18.5 +02.5	351	17.7 +02.4	352	16.8 +02.5	04
05	3	22.7 +02.5	4	21.9 +02.4	5	21.0 +02.5	6	20.1 +02.5	7	19.3 +02.4	05
06	18	25.2 +02.5	19	24.3 +02.5	20	23.5 +02.4	21	22.6 +02.5	22	21.7 +02.5	06
07	33	27.7 +02.4	34	26.8 +02.5	35	25.9 +02.5	36	25.1 +02.4	37	24.2 +02.5	07
08	48	30.1 +02.5	49	29.3 +02.4	50	28.4 +02.5	51	27.5 +02.5	52	26.7 +02.4	08
09	63	32.6 +02.4	64	31.7 +02.5	65	30.9 +02.4	66	30.0 +02.5	67	29.1 +02.5	09
10	78	35.0 +02.5	79	34.2 +02.5	80	33.3 +02.5	81	32.5 +02.4	82	31.6 +02.5	10
11	93	37.5 +02.5	94	36.7 +02.4	95	35.8 +02.5	96	34.9 +02.5	97	34.1 +02.4	11
12	108	40.0 +02.4	109	39.1 +02.5	110	38.3 +02.4	111	37.4 +02.5	112	36.5 +02.5	12
13	123	42.4 +02.5	124	41.6 +02.4	125	40.7 +02.5	126	39.9 +02.4	127	39.0 +02.5	13
14	138	44.9 +02.5	139	44.0 +02.5	140	43.2 +02.4	141	42.3 +02.5	142	41.5 +02.4	14
15	153	47.4 +02.4	154	46.5 +02.5	155	45.6 +02.5	156	44.8 +02.5	157	43.9 +02.5	15
16	168	49.8 +02.5	169	49.0 +02.4	170	48.1 +02.5	171	47.3 +02.4	172	46.4 +02.5	16
17	183	52.3 +02.5	184	51.4 +02.5	185	50.6 +02.4	186	49.7 +02.5	187	48.9 +02.4	17
18	198	54.8 +02.4	199	53.9 +02.5	200	53.0 +02.5	201	52.2 +02.4	202	51.3 +02.5	18
19	213	57.2 +02.5	214	56.4 +02.4	215	55.5 +02.5	216	54.6 +02.5	217	53.8 +02.4	19
20	228	59.7 +02.5	229	58.8 +02.5	230	58.0 +02.4	231	57.1 +02.5	232	56.2 +02.5	20
21	244	02.2 +02.4	245	01.3 +02.5	246	00.4 +02.5	246	59.6 +02.4	247	58.7 +02.5	21
22	259	04.6 +02.5	260	03.8 +02.4	261	02.9 +02.5	262	02.0 +02.5	263	01.2 +02.4	22
23	274	07.1 +02.4	275	06.2 +02.5	276	05.4 +02.4	277	04.5 +02.5	278	03.6 +02.5	23

UT	day 176 of 365		day 177 of 365		day 178 of 365		day 179 of 365		day 180 of 365		UT
	June 25	GHA ddGHA	June 26	GHA ddGHA	June 27	GHA ddGHA	June 28	GHA ddGHA	June 29	GHA ddGHA	
00	273	23.3 +02.5	274	22.5 +02.4	275	21.6 +02.5	276	20.7 +02.5	277	19.9 +02.4	00
01	288	25.8 +02.4	289	24.9 +02.5	290	24.1 +02.4	291	23.2 +02.5	292	22.3 +02.5	01
02	303	28.2 +02.5	304	27.4 +02.4	305	26.5 +02.5	306	25.7 +02.4	307	24.8 +02.5	02
03	318	30.7 +02.5	319	29.8 +02.5	320	29.0 +02.4	321	28.1 +02.5	322	27.3 +02.4	03
04	333	33.2 +02.4	334	32.3 +02.5	335	31.4 +02.5	336	30.6 +02.5	337	29.7 +02.5	04
05	348	35.6 +02.5	349	34.8 +02.4	350	33.9 +02.5	351	33.1 +02.4	352	32.2 +02.5	05
06	3	38.1 +02.5	4	37.2 +02.5	5	36.4 +02.4	6	35.5 +02.5	7	34.7 +02.4	06
07	18	40.6 +02.4	19	39.7 +02.5	20	38.8 +02.5	21	38.0 +02.4	22	37.1 +02.5	07
08	33	43.0 +02.5	34	42.2 +02.4	35	41.3 +02.5	36	40.4 +02.5	37	39.6 +02.5	08
09	48	45.5 +02.5	49	44.6 +02.5	50	43.8 +02.4	51	42.9 +02.5	52	42.1 +02.4	09
10	63	48.0 +02.4	64	47.1 +02.5	65	46.2 +02.5	66	45.4 +02.4	67	44.5 +02.5	10
11	78	50.4 +02.5	79	49.6 +02.4	80	48.7 +02.5	81	47.8 +02.5	82	47.0 +02.4	11
12	93	52.9 +02.4	94	52.0 +02.5	95	51.2 +02.4	96	50.3 +02.5	97	49.4 +02.5	12
13	108	55.3 +02.5	109	54.5 +02.5	110	53.6 +02.5	111	52.8 +02.4	112	51.9 +02.5	13
14	123	57.8 +02.5	124	57.0 +02.4	125	56.1 +02.5	126	55.2 +02.5	127	54.4 +02.4	14
15	139	60.3 +02.4	139	59.4 +02.5	140	58.6 +02.4	141	57.7 +02.5	142	56.8 +02.5	15
16	154	02.7 +02.5	155	01.9 +02.4	156	01.0 +02.5	157	00.2 +02.4	157	59.3 +02.5	16
17	169	05.2 +02.5	170	04.3 +02.5	171	03.5 +02.4	172	02.6 +02.5	173	01.8 +02.4	17
18	184	07.7 +02.4	185	06.8 +02.5	186	05.9 +02.5	187	05.1 +02.5	188	04.2 +02.5	18
19	199	10.1 +02.5	200	09.3 +02.4	201	08.4 +02.5	202	07.6 +02.4	203	06.7 +02.5	19
20	214	12.6 +02.5	215	11.7 +02.5	216	10.9 +02.4	217	10.0 +02.5	218	09.2 +02.4	20
21	229	15.1 +02.4	230	14.2 +02.5	231	13.3 +02.5	232	12.5 +02.4	233	11.6 +02.5	21
22	244	17.5 +02.5	245	16.7 +02.4	246	15.8 +02.5	247	14.9 +02.5	248	14.1 +02.4	22
23	259	20.0 +02.5	260	19.1 +02.5	261	18.3 +02.4	262	17.4 +02.5	263	16.5 +02.5	23

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,						
Alpheratz	357	34.3	N	29	13.8	Gienah	175	43.1	S	17	41.1
Ankaa	353	06.8	S	42	09.6	Acrux	172	59.6	S	63	14.7
Schedir	349	30.5	N	56	40.4	Gacrux	171	51.2	S	57	15.5
Diphda	348	46.9	S	17	50.6	Alioth	166	12.7	N	55	49.5
Achernar	335	20.0	S	57	06.1	Spica	158	21.8	S	11	17.7
Hamal	327	50.9	N	23	35.0	Alkaid	152	51.4	N	49	11.4
Polaris	314	05.4	N	89	22.0	Hadar	148	35.1	S	60	30.0
Acamar	315	11.6	S	40	11.9	Menket	147	56.6	S	36	29.6
Menkar	314	05.9	N	04	11.5	Arcturus	145	47.0	N	19	03.9
Mirfak	308	28.0	N	49	56.9	Rigel Kentaurus	139	36.4	S	60	56.9
Aldebaran	290	39.4	N	16	33.7	Zubenelgenubi	136	55.3	S	16	08.9
Capella	280	21.7	N	46	01.5	Kocab	137	19.0	N	74	03.2
Rigel	281	03.8	S	08	10.2	Alphecca	126	03.2	N	26	37.8
Bellatrix	278	22.7	N	06	22.4	Antares	112	15.1	S	26	29.4
Elnath	278	01.7	N	28	37.8	Atria	107	08.4	S	69	04.5
Alnilam	275	37.6	S	01	11.1	Sabik	102	02.0	S	15	45.5
Betelgeuze	270	52.0	N	07	24.7	Shaula	96	09.4	S	37	07.3
Canopus	263	52.8	S	52	42.4	Rasalhague	95	57.9	N	12	32.6
Sirius	258	26.0	S	16	44.5	Etamin	90	41.5	N	51	29.1
Adhara	255	05.9	S	29	00.3	Kaus Australis	83	31.6	N	34	22.3
Castor	245	56.8	N	31	50.0	Vega	80	32.6	N	38	48.3
Procyon	244	50.5	N	05	10.0	Nunki	75	46.9	S	26	15.8
Pollux	243	16.8	N	27	58.0	Albireo	67	03.4	N	28	00.7
Avior	234	15.2	S	59	35.5	Altair	61	59.5	N	08	55.9
Suhail	222	46.4	S	43	32.2	Peacock	53	04.6	S	56	39.0
Miplacidus	221	38.9	S	69	49.5	Deneb	49	25.2	N	45	22.1
Alphard	217	47.6	S	08	46.2	Enif	33	38.2	N	09	59.5
Regulus	207	34.1	N	11	50.6	Alnair	27	32.2	S	46	50.0
Dubhe	193	40.7	N	61	37.1	Formalhaut	15	14.1	S	29	29.0
Denebola	182	24.4	N	14	25.9	Markab	13	29.4	N	15	20.5

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357	34.4				

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

UT	day 181 of 365		day 182 of 365		day 183 of 365		day 184 of 365		day 185 of 365		UT	
	June	30	July	1	July	2	July	3	July	4		
00	278	19.0	+02.5	279	18.1	+02.5	280	17.3	+02.5	281	16.4	+02.5
01	293	21.5	+02.4	294	20.6	+02.5	295	19.8	+02.4	296	18.9	+02.5
02	308	23.9	+02.5	309	23.1	+02.4	310	22.2	+02.5	311	21.4	+02.4
03	323	26.4	+02.5	324	25.5	+02.5	325	24.7	+02.4	326	23.8	+02.5
04	338	28.9	+02.4	339	28.0	+02.5	340	27.1	+02.5	341	26.3	+02.4
05	353	31.3	+02.5	354	30.5	+02.4	355	29.6	+02.5	356	28.7	+02.5
06	8	33.8	+02.5	9	32.9	+02.5	10	32.1	+02.4	11	31.2	+02.5
07	23	36.3	+02.4	24	35.4	+02.5	25	34.5	+02.5	26	33.7	+02.4
08	38	38.7	+02.5	39	37.9	+02.4	40	37.0	+02.5	41	36.1	+02.5
09	53	41.2	+02.5	54	40.3	+02.5	55	39.5	+02.4	56	38.6	+02.5
10	68	43.7	+02.4	69	42.8	+02.5	70	41.9	+02.5	71	41.1	+02.4
11	83	46.1	+02.5	84	45.3	+02.4	85	44.4	+02.5	86	43.5	+02.5
12	98	48.6	+02.4	99	47.7	+02.5	100	46.9	+02.4	101	46.0	+02.5
13	113	51.0	+02.5	114	50.2	+02.4	115	49.3	+02.5	116	48.5	+02.4
14	128	53.5	+02.5	129	52.6	+02.5	130	51.8	+02.4	131	50.9	+02.5
15	143	56.0	+02.4	144	55.1	+02.5	145	54.2	+02.5	146	53.4	+02.5
16	158	58.4	+02.5	159	57.6	+02.4	160	56.7	+02.5	161	55.9	+02.4
17	174	60.9	+02.5	175	60.0	+02.5	176	59.2	+02.4	177	57.5	+02.4
18	189	63.4	+02.4	190	62.5	+02.5	191	61.6	+02.5	192	59.9	+02.5
19	204	65.8	+02.5	205	65.0	+02.4	206	64.1	+02.5	207	63.2	+02.5
20	219	68.3	+02.5	220	67.4	+02.5	221	66.6	+02.4	222	65.7	+02.5
21	234	70.8	+02.4	235	69.9	+02.5	236	69.0	+02.5	237	68.2	+02.4
22	249	73.2	+02.5	250	72.4	+02.4	251	71.5	+02.5	252	70.6	+02.5
23	264	75.7	+02.4	265	74.8	+02.5	266	74.0	+02.4	267	73.1	+02.5

UT	day 186 of 365		day 187 of 365		day 188 of 365		day 189 of 365		day 190 of 365		UT	
	July	5	July	6	July	7	July	8	July	9		
00	283	14.7	+02.5	284	13.8	+02.5	285	13.0	+02.4	286	12.1	+02.5
01	298	17.2	+02.4	299	16.3	+02.5	300	15.4	+02.5	301	14.6	+02.5
02	313	19.6	+02.5	314	18.8	+02.4	315	17.9	+02.5	316	17.1	+02.4
03	328	22.1	+02.5	329	21.2	+02.5	330	20.4	+02.4	331	19.5	+02.5
04	343	24.6	+02.4	344	23.7	+02.5	345	22.8	+02.5	346	22.0	+02.4
05	358	27.0	+02.5	359	26.2	+02.4	360	25.3	+02.5	361	24.4	+02.4
06	13	29.5	+02.5	14	28.6	+02.5	15	27.8	+02.4	16	26.9	+02.5
07	28	32.0	+02.4	29	31.1	+02.5	30	30.2	+02.5	31	29.4	+02.4
08	43	34.4	+02.5	44	33.6	+02.4	45	32.7	+02.5	46	31.8	+02.5
09	58	36.9	+02.4	59	36.0	+02.5	60	35.2	+02.4	61	34.3	+02.5
10	73	39.3	+02.5	74	38.5	+02.4	75	37.6	+02.5	76	36.8	+02.4
11	88	41.8	+02.5	89	40.9	+02.5	90	40.1	+02.5	91	39.2	+02.5
12	103	44.3	+02.4	104	43.4	+02.5	105	42.6	+02.4	106	41.7	+02.5
13	118	46.7	+02.5	119	45.9	+02.4	120	45.0	+02.5	121	44.2	+02.4
14	133	49.2	+02.5	134	48.3	+02.5	135	47.5	+02.4	136	46.6	+02.5
15	148	51.7	+02.4	149	50.8	+02.5	150	49.9	+02.5	151	49.1	+02.4
16	163	54.1	+02.5	164	53.3	+02.4	165	52.4	+02.5	166	51.5	+02.5
17	178	56.6	+02.5	179	55.7	+02.5	180	54.9	+02.4	181	54.0	+02.5
18	193	59.1	+02.4	194	58.2	+02.5	195	57.3	+02.5	196	56.5	+02.4
19	209	61.5	+02.5	210	60.7	+02.4	210	59.8	+02.5	211	58.9	+02.4
20	224	64.0	+02.4	225	63.1	+02.5	226	62.3	+02.4	227	61.4	+02.5
21	239	66.4	+02.5	240	65.6	+02.5	241	64.7	+02.5	242	63.9	+02.4
22	254	68.9	+02.5	255	68.1	+02.4	256	67.2	+02.5	257	66.3	+02.5
23	269	71.4	+02.4	270	70.5	+02.5	271	69.7	+02.4	272	68.8	+02.5

	SHA	Dec		SHA	Dec		
	° ,	° ,		° ,	° ,		
Alpheratz	357	34.4	N 29 13.8	Gienah	175	43.1	S 17 41.1
Ankaa	353	06.8	S 42 09.6	Acrux	172	59.7	S 63 14.7
Schedir	349	30.7	N 56 40.4	Gacrux	171	51.3	S 57 15.5
Diphda	348	47.0	S 17 50.7	Alioth	166	12.7	N 55 49.5
Achernar	335	20.1	S 57 06.1	Spica	158	21.8	S 11 17.7
Hamal	327	51.0	N 23 35.0	Alkaid	152	51.4	N 49 11.4
Polaris	314	10.3	N 89 22.0	Hadar	148	35.2	S 60 30.0
Acamar	315	11.7	S 40 11.9	Menkent	147	56.7	S 36 29.6
Menkar	314	05.9	N 04 11.4	Arcturus	145	47.0	N 19 03.9
Mirfak	308	28.1	N 49 56.9	Rigel Kentaurus	139	36.4	S 60 56.9
Aldebaran	290	39.5	N 16 33.7	Zubenelgenubi	136	55.3	S 16 08.9
Capella	280	21.8	N 46 01.5	Kocab	137	19.0	N 74 03.2
Rigel	281	03.8	S 08 10.3	Alphecca	126	03.2	N 26 37.9
Bellatrix	278	22.8	N 06 22.4	Antares	112	15.1	S 26 29.4
Elnath	278	01.7	N 28 37.8	Atria	107	08.4	S 69 04.5
Alnilam	275	37.7	S 01 11.1	Sabik	102	02.0	S 15 45.5
Betelgeuze	270	52.0	N 07 24.7	Shaula	96	09.4	S 37 07.4
Canopus	263	52.8	S 52 42.5	Rasalhague	95	57.9	N 12 32.6
Sirius	258	26.0	S 16 44.5	Etamin	90	41.5	N 51 29.2
Adhara	255	05.9	S 29 00.4	Kaus Australis	83	31.5	S 34 22.3
Castor	245	56.9	N 31 50.0	Vega	80	32.6	N 38 48.3
Procyon	244	50.5	N 05 10.0	Nunki	75	46.9	S 26 15.8
Pollux	243	16.8	N 27 58.0	Albireo	67	03.4	N 28 00.8
Avior	234	15.2	S 59 35.6	Altair	61	59.4	N 08 56.0
Suhail	222	46.4	S 43 32.2	Peacock	53	04.5	S 56 39.0
Miaplacidus	221	38.8	S 69 49.5	Deneb	49	25.1	N 45 22.2
Alphard	217	47.6	S 08 46.2	Enif	33	38.2	N 09 59.5
Regulus	207	34.1	N 11 50.6	Alnair	27	32.1	S 46 50.0
Dubhe	193	40.6	N 61 37.1	Formalhaut	15	14.0	S 29 29.0
Denebola	182	24.4	N 14 25.9	Markab	13	29.4	N 15 20.5

	SHA	Dec		SHA	Dec		
	° ,	° ,		° ,	° ,		
Alpheratz	357	34.4	N 29 13.8	Gienah	175	43.2	S 17 41.1
Ankaa	353	06.8	S 42 09.6	Acrux	172	59.7	S 63 14.7
Schedir	349	30.6	N 56 40.4	Gacrux	171	51.3	S 57 15.5
Diphda	348	47.0	S 17 50.7	Alioth	166	12.7	N 55 49.6
Achernar	335	20.1	S 57 06.1	Spica	158	21.8	S 11 17.7
Hamal	327	50.9	N 23 35.0	Alkaid	152	51.5	N 49 11.4
Polaris	314	08.1	N 89 22.0	Hadar	148	35.2	S 60 30.0
Acamar	315	11.7	S 40 11.9	Menkent	147	56.7	S 36 29.6
Menkar	314	05.9	N 04 11.5	Arcturus	145	47.0	N 19 03.9
Mirfak	308	28.0	N 49 56.9	Rigel Kentaurus	139	36.5	S 60 56.9
Aldebaran	290	39.5	N 16 33.7	Zubenelgenubi	136	55.3	S 16 08.9
Capella	280	21.8	N 46 01.5	Kocab	137	19.1	N 74 03.2
Rigel	281	03.8	S 08 10.2	Alphecca	126	03.2	N 26 37.9
Bellatrix	278	22.7	N 06 22.4	Antares	112		

## 2025 - First Point of Aries / Selected Stars

## 2025 - First Point of Aries / Selected Stars

UT	day 211 of 365		day 212 of 365		day 213 of 365		day 214 of 365		day 215 of 365		UT
	July 30	GHA ddGHA	July 31	GHA ddGHA	August 1	GHA ddGHA	August 2	GHA ddGHA	August 3	GHA ddGHA	
00	307 53.2	+02.5	308 52.3	+02.5	309 51.5	+02.4	310 50.6	+02.5	311 49.7	+02.5	00
01	322 55.7	+02.4	323 54.8	+02.5	324 53.9	+02.5	325 53.1	+02.4	326 52.2	+02.5	01
02	337 58.1	+02.5	338 57.3	+02.4	339 56.4	+02.5	340 55.5	+02.5	341 54.7	+02.4	02
03	353 00.6	+02.4	353 59.7	+02.5	354 58.9	+02.4	355 58.0	+02.5	356 57.1	+02.5	03
04	8 03.0	+02.5	9 02.2	+02.4	10 01.3	+02.5	11 00.5	+02.4	11 59.6	+02.5	04
05	23 05.5	+02.5	24 04.6	+02.5	25 03.8	+02.5	26 02.9	+02.5	27 02.1	+02.4	05
06	38 08.0	+02.4	39 07.1	+02.5	40 06.3	+02.4	41 05.4	+02.5	42 04.5	+02.5	06
07	53 10.4	+02.5	54 09.6	+02.4	55 08.7	+02.5	56 07.9	+02.4	57 07.0	+02.5	07
08	68 12.9	+02.5	69 12.0	+02.5	70 11.2	+02.4	71 10.3	+02.5	72 09.5	+02.4	08
09	83 15.4	+02.4	84 14.5	+02.5	85 13.6	+02.5	86 12.8	+02.4	87 11.9	+02.5	09
10	98 17.8	+02.5	99 17.0	+02.4	100 16.1	+02.5	101 15.2	+02.5	102 14.4	+02.5	10
11	113 20.3	+02.5	114 19.4	+02.5	115 18.6	+02.4	116 17.7	+02.5	117 16.9	+02.4	11
12	128 22.8	+02.4	129 21.9	+02.5	130 21.0	+02.5	131 20.2	+02.4	132 19.3	+02.5	12
13	143 25.2	+02.5	144 24.4	+02.4	145 23.5	+02.5	146 22.6	+02.5	147 21.8	+02.4	13
14	158 27.7	+02.5	159 26.8	+02.5	160 26.0	+02.4	161 25.1	+02.5	162 24.2	+02.5	14
15	173 30.2	+02.4	174 29.3	+02.5	175 28.4	+02.5	176 27.6	+02.4	177 26.7	+02.5	15
16	188 32.6	+02.5	189 31.8	+02.4	190 30.9	+02.5	191 30.0	+02.5	192 29.2	+02.4	16
17	203 35.1	+02.4	204 34.2	+02.5	205 33.4	+02.4	206 32.5	+02.5	207 31.6	+02.5	17
18	218 37.5	+02.5	219 36.7	+02.4	220 35.8	+02.5	221 35.0	+02.4	222 34.1	+02.5	18
19	233 40.0	+02.5	234 39.1	+02.5	235 38.3	+02.4	236 37.4	+02.5	237 36.6	+02.4	19
20	248 42.5	+02.4	249 41.6	+02.5	250 40.7	+02.5	251 39.9	+02.5	252 39.0	+02.5	20
21	263 44.9	+02.5	264 44.1	+02.4	265 43.2	+02.5	266 42.4	+02.4	267 41.5	+02.5	21
22	278 47.4	+02.5	279 46.5	+02.5	280 45.7	+02.4	281 44.8	+02.5	282 44.0	+02.4	22
23	293 49.9	+02.4	294 49.0	+02.5	295 48.1	+02.5	296 47.3	+02.4	297 46.4	+02.5	23

UT	day 196 of 365		day 197 of 365		day 198 of 365		day 199 of 365		day 200 of 365		UT
	July 15	GHA ddGHA	July 16	GHA ddGHA	July 17	GHA ddGHA	July 18	GHA ddGHA	July 19	GHA ddGHA	
00	293 06.1	+02.5	294 05.2	+02.5	295 04.4	+02.4	296 03.5	+02.5	297 02.7	+02.4	00
01	308 08.6	+02.4	309 07.7	+02.5	310 06.8	+02.5	311 06.0	+02.4	312 05.1	+02.5	01
02	323 11.0	+02.5	324 10.2	+02.4	325 09.3	+02.5	326 08.4	+02.5	327 07.6	+02.4	02
03	338 13.5	+02.5	339 12.6	+02.5	340 11.8	+02.4	341 10.9	+02.5	342 10.0	+02.5	03
04	353 16.0	+02.4	354 15.1	+02.5	355 14.2	+02.5	356 13.4	+02.4	357 12.5	+02.5	04
05	8 18.4	+02.5	9 17.6	+02.4	10 16.7	+02.5	11 15.8	+02.5	12 15.0	+02.4	05
06	23 20.9	+02.5	24 20.0	+02.5	25 19.2	+02.4	26 18.3	+02.5	27 17.4	+02.5	06
07	38 23.4	+02.4	39 22.5	+02.5	40 21.6	+02.5	41 20.8	+02.4	42 19.9	+02.5	07
08	53 25.8	+02.5	54 25.0	+02.4	55 24.1	+02.5	56 23.2	+02.5	57 22.4	+02.4	08
09	68 28.3	+02.4	69 27.4	+02.5	70 26.6	+02.4	71 25.7	+02.5	72 24.8	+02.5	09
10	83 30.7	+02.5	84 29.9	+02.4	85 29.0	+02.5	86 28.2	+02.4	87 27.3	+02.5	10
11	98 33.2	+02.5	99 32.3	+02.5	100 31.5	+02.4	101 30.6	+02.5	102 29.8	+02.4	11
12	113 35.7	+02.4	114 34.8	+02.5	115 33.9	+02.5	116 33.1	+02.4	117 32.2	+02.5	12
13	128 38.1	+02.5	129 37.3	+02.4	130 36.4	+02.5	131 35.5	+02.5	132 34.7	+02.5	13
14	143 40.6	+02.5	144 39.7	+02.5	145 38.9	+02.4	146 38.0	+02.5	147 37.2	+02.4	14
15	158 43.1	+02.4	159 42.2	+02.5	160 41.3	+02.5	161 40.5	+02.4	162 39.6	+02.5	15
16	173 45.5	+02.5	174 44.7	+02.4	175 43.8	+02.5	176 42.9	+02.5	177 42.1	+02.4	16
17	188 48.0	+02.5	189 47.1	+02.5	190 46.3	+02.4	191 45.4	+02.5	192 44.5	+02.5	17
18	203 50.5	+02.4	204 49.6	+02.5	205 48.7	+02.5	206 47.9	+02.4	207 47.0	+02.5	18
19	218 52.9	+02.5	219 52.1	+02.4	220 51.2	+02.5	221 50.3	+02.5	222 49.5	+02.4	19
20	233 55.4	+02.4	234 54.5	+02.5	235 53.7	+02.4	236 52.8	+02.5	237 51.9	+02.5	20
21	248 57.8	+02.5	249 57.0	+02.4	250 56.1	+02.5	251 55.3	+02.4	252 54.4	+02.5	21
22	264 00.3	+02.5	264 59.4	+02.5	265 58.6	+02.5	266 57.7	+02.5	267 56.9	+02.4	22
23	279 02.8	+02.4	280 01.9	+02.5	281 01.1	+02.4	282 00.2	+02.5	282 59.3	+02.5	23

	SHA ° ,	Dec ' ,		SHA ° ,	Dec ' ,		SHA ° ,	Dec ' ,		SHA ° ,	Dec ' ,	
Alpheratz	357 34.1	N 29 13.9	Gienah	175 43.2	S 17 41.1					Gienah	175 43.2	S 17 41.1
Ankaa	353 06.6	S 42 09.6	Acrux	172 59.9	S 63 14.7					Acrux	172 59.8	S 63 14.7
Schedir	349 30.3	N 56 40.5	Gacrux	171 51.5	S 57 15.5					Gacrux	171 51.4	S 57 15.5
Diphda	348 46.8	S 17 50.6	Alioth	166 12.9	N 55 49.5					Alioth	166 12.8	N 55 49.5
Achernar	335 19.8	S 57 06.0	Spica	158 21.9	S 11 17.7					Spica	158 21.8	S 11 17.7
Hamal	327 50.7	N 23 35.0	Alkaid	152 51.6	N 49 11.4					Alkaid	152 51.5	N 49 11.4
Polaris	313 55.2	N 89 22.0	Hadar	148 35.4	S 60 30.0					Hadar	148 35.3	S 60 30.0
Acamar	315 11.4	S 40 11.8	Menkent	147 56.8	S 36 29.6					Menkent	147 56.7	S 36 29.6
Menkar	314 05.7	N 04 11.5	Arcturus	145 47.1	N 19 03.9					Arcturus	145 47.0	N 19 03.9
Mirfak	308 27.7	N 49 57.0	Rigel Kentaurus	139 36.6	S 60 56.9					Rigel Kentaurus	139 36.5	S 60 56.9
Aldebaran	290 39.3	N 16 33.7	Zubenelgenubi	136 55.4	S 16 08.9					Zubenelgenubi	136 55.3	S 16 08.9
Capella	280 21.6	N 46 01.5	Kocab	137 19.6	N 74 03.3					Kocab	137 19.3	N 74 03.3
Rigel	281 03.6	S 08 10.2	Alphecca	126 03.3	N 26 37.9					Alphecca	126 03.2	N 26 37.9
Bellatrix	278 22.6	N 06 22.5	Antares	112 15.2	S 26 29.4					Antares	112 15.1	S 26 29.4
Elnath	278 01.6	N 28 37.8	Atria	107 08.5	S 69 04.6					Atria	107 08.4	S 69 04.6
Alnilam	275 37.5	S 01 11.0	Sabik	102 02.0	S 15 45.4					Sabik	102 02.0	S 15 45.4
Betelgeuze	270 51.9	N 07 24.8	Shaula	96 09.4	S 37 07.4					Shaula	96 09.4	S 37 07.4
Canopus	263 52.7	S 52 42.3	Rasalhague	95 57.9	N 12 32.7					Rasalhague	95 57.9	N 12 32.6
Sirius	258 25.9	S 16 44.4	Etamin	90 41.5	N 51 29.3					Etamin	90 41.5	N 51 29.2
Adhara	255 05.8	S 29 00.2	Kaus Australis	83 31.5	S 34 22.3					Kaus Australis	83 31.5	S 34 22.3
Castor	245 56.8	N 31 50.0	Vega	80 32.6	N 38 48.4					Vega	80 32.6	N 38 48.4
Procyon	244 50.4	N 05 10.1	Nunki	75 46.8	S 26 15.9					Nunki	75 46.8	S 26 15.8
Pollux	243 16.7	N 27 57.9	Albireo	67 03.3	N 28 00.9					Albireo	67 03.3	N 28 00.8
Avior	234 15.2	S 59 35.4	Altair	61 59.4	N 08 56.1					Altair	61 59.4	N 08 56.0
Suhail	222 46.4	S 43 32.1	Peacock	53 04.4	S 56 39.1					Peacock	53 04.4	S 56 39.0
Miaplacidus	221 39.0	S 69 49.4	Deneb	49 25.0	N 45 22.3					Deneb	49 25.1	N 4

## 2025 - First Point of Aries / Selected Stars

## 2025 - First Point of Aries / Selected Stars

UT	day 201 of 365		day 202 of 365		day 203 of 365		day 204 of 365		day 205 of 365		UT
	July 20	GHA ddGHA	July 21	GHA ddGHA	July 22	GHA ddGHA	July 23	GHA ddGHA	July 24	GHA ddGHA	
00	298 01.8	+02.5	299 00.9	+02.5	300 00.1	+02.4	300 59.2	+02.5	301 58.4	+02.4	00
01	313 04.3	+02.4	314 03.4	+02.5	315 02.5	+02.5	316 01.7	+02.4	317 00.8	+02.5	01
02	328 06.7	+02.5	329 05.9	+02.4	330 05.0	+02.5	331 04.1	+02.5	332 03.3	+02.5	02
03	343 09.2	+02.5	344 08.3	+02.5	345 07.5	+02.4	346 06.6	+02.5	347 05.8	+02.4	03
04	358 11.7	+02.4	359 10.8	+02.5	0 09.9	+02.5	1 09.1	+02.4	2 08.2	+02.5	04
05	13 14.1	+02.5	14 13.3	+02.4	15 12.4	+02.5	16 11.5	+02.5	17 10.7	+02.4	05
06	28 16.6	+02.4	29 15.7	+02.5	30 14.9	+02.4	31 14.0	+02.5	32 13.1	+02.5	06
07	43 19.0	+02.5	44 18.2	+02.4	45 17.3	+02.5	46 16.5	+02.4	47 15.6	+02.5	07
08	58 21.5	+02.5	59 20.6	+02.5	60 19.8	+02.5	61 18.9	+02.5	62 18.1	+02.4	08
09	73 24.0	+02.4	74 23.1	+02.5	75 22.3	+02.4	76 21.4	+02.5	77 20.5	+02.5	09
10	88 26.4	+02.5	89 25.6	+02.4	90 24.7	+02.5	91 23.9	+02.4	92 23.0	+02.5	10
11	103 28.9	+02.5	104 28.0	+02.5	105 27.2	+02.4	106 26.3	+02.5	107 25.5	+02.4	11
12	118 31.4	+02.4	119 30.5	+02.5	120 29.6	+02.5	121 28.8	+02.5	122 27.9	+02.5	12
13	133 33.8	+02.5	134 33.0	+02.4	135 32.1	+02.5	136 31.3	+02.4	137 30.4	+02.5	13
14	148 36.3	+02.5	149 35.4	+02.5	150 34.6	+02.4	151 33.7	+02.5	152 32.9	+02.4	14
15	163 38.8	+02.4	164 37.9	+02.5	165 37.0	+02.5	166 36.2	+02.4	167 35.3	+02.5	15
16	178 41.2	+02.5	179 40.4	+02.4	180 39.5	+02.5	181 38.6	+02.5	182 37.8	+02.5	16
17	193 43.7	+02.5	194 42.8	+02.5	195 42.0	+02.4	196 41.1	+02.5	197 40.3	+02.4	17
18	208 46.2	+02.4	209 45.3	+02.5	210 44.4	+02.5	211 43.6	+02.4	212 42.7	+02.5	18
19	223 48.6	+02.5	224 47.8	+02.4	225 46.9	+02.5	226 46.0	+02.5	227 45.2	+02.4	19
20	238 51.1	+02.4	239 50.2	+02.5	240 49.4	+02.4	241 48.5	+02.5	242 47.6	+02.5	20
21	253 53.5	+02.5	254 52.7	+02.4	255 51.8	+02.5	256 51.0	+02.4	257 50.1	+02.5	21
22	268 56.0	+02.5	269 55.1	+02.5	270 54.3	+02.5	271 53.4	+02.5	272 52.6	+02.4	22
23	283 58.5	+02.4	284 57.6	+02.5	285 56.8	+02.4	286 55.9	+02.5	287 55.0	+02.5	23

UT	day 206 of 365		day 207 of 365		day 208 of 365		day 209 of 365		day 210 of 365		UT
	July 25	GHA ddGHA	July 26	GHA ddGHA	July 27	GHA ddGHA	July 28	GHA ddGHA	July 29	GHA ddGHA	
00	302 57.5	+02.5	303 56.6	+02.5	304 55.8	+02.4	305 54.9	+02.5	306 54.1	+02.4	00
01	317 60.0	+02.4	318 59.1	+02.5	319 58.2	+02.5	320 57.4	+02.4	321 56.5	+02.5	01
02	333 02.4	+02.5	334 01.6	+02.4	335 00.7	+02.5	336 59.8	+02.5	336 59.0	+02.4	02
03	348 04.9	+02.5	349 04.0	+02.5	350 03.2	+02.4	351 02.3	+02.5	352 01.4	+02.5	03
04	3 07.4	+02.4	4 06.5	+02.5	5 05.6	+02.5	6 04.8	+02.4	7 03.9	+02.5	04
05	18 09.8	+02.5	19 09.0	+02.4	20 08.1	+02.5	21 07.2	+02.5	22 06.4	+02.4	05
06	33 12.3	+02.4	34 11.4	+02.5	35 10.6	+02.4	36 09.7	+02.5	37 08.8	+02.5	06
07	48 14.7	+02.5	49 13.9	+02.5	50 13.0	+02.5	51 12.2	+02.4	52 11.3	+02.5	07
08	63 17.2	+02.5	64 16.4	+02.4	65 15.5	+02.5	66 14.6	+02.5	67 13.8	+02.4	08
09	78 19.7	+02.4	79 18.8	+02.5	80 18.0	+02.4	81 17.1	+02.5	82 16.2	+02.5	09
10	93 22.1	+02.5	94 21.3	+02.4	95 20.4	+02.5	96 19.6	+02.4	97 18.7	+02.5	10
11	108 24.6	+02.5	109 23.7	+02.5	110 22.9	+02.4	111 22.0	+02.5	112 21.2	+02.4	11
12	123 27.1	+02.4	124 26.2	+02.5	125 25.3	+02.5	126 24.5	+02.4	127 23.6	+02.5	12
13	138 29.5	+02.5	139 28.7	+02.4	140 27.8	+02.5	141 26.9	+02.5	142 26.1	+02.5	13
14	153 32.0	+02.5	154 31.1	+02.5	155 30.3	+02.4	156 29.4	+02.5	157 28.6	+02.4	14
15	168 34.5	+02.4	169 33.6	+02.5	170 32.7	+02.5	171 31.9	+02.4	172 31.0	+02.5	15
16	183 36.9	+02.5	184 36.1	+02.4	185 35.2	+02.5	186 34.3	+02.5	187 33.5	+02.4	16
17	198 39.4	+02.5	199 38.5	+02.5	200 37.7	+02.4	201 36.8	+02.5	202 35.9	+02.5	17
18	213 41.9	+02.4	214 41.0	+02.5	215 40.1	+02.5	216 39.3	+02.4	217 38.4	+02.5	18
19	228 44.3	+02.5	229 43.5	+02.4	230 42.6	+02.5	231 41.7	+02.5	232 40.9	+02.4	19
20	243 46.8	+02.4	244 45.9	+02.5	245 45.1	+02.4	246 44.2	+02.5	247 43.3	+02.5	20
21	258 49.2	+02.5	259 48.4	+02.5	260 47.5	+02.5	261 46.7	+02.4	262 45.8	+02.5	21
22	273 51.7	+02.5	274 50.9	+02.4	275 50.0	+02.5	276 49.1	+02.5	277 48.3	+02.4	22
23	288 54.2	+02.4	289 53.3	+02.5	290 52.5	+02.4	291 51.6	+02.5	292 50.7	+02.5	23

	SHA °,	Dec °,		SHA °,	Dec °,		SHA °,	Dec °,		SHA °,	Dec °,	
Alpheratz	357 34.2	N 29 13.9	Gienah	175 43.2	S 17 41.1					Gienah	175 43.2	S 17 41.1
Ankaa	353 06.7	S 42 09.6	Acrux	172 59.8	S 63 14.7					Acrux	172 59.9	S 63 14.7
Schedir	349 30.4	N 56 40.5	Gacrux	171 51.4	S 57 15.5					Gacrux	171 51.4	S 57 15.5
Diphda	348 46.8	S 17 50.6	Alioth	166 12.8	N 55 49.5					Alioth	166 12.8	N 55 49.5
Achernar	335 19.9	S 57 06.1	Spica	158 21.8	S 11 17.7					Spica	158 21.8	S 11 17.7
Hamal	327 50.8	N 23 35.0	Alkaid	152 51.6	N 49 11.4					Alkaid	152 51.6	N 49 11.4
Polaris	314 00.5	N 89 22.0	Hadar	148 35.3	S 60 30.0					Hadar	148 35.3	S 60 30.0
Acamar	315 11.5	S 40 11.8	Menkent	147 56.7	S 36 29.6					Menkent	147 56.7	S 36 29.6
Menkar	314 05.8	N 04 11.5	Arcturus	145 47.0	N 19 03.9					Arcturus	145 47.0	N 19 03.9
Mirfak	308 27.9	N 49 56.9	Rigel Kentaurus	139 36.6	S 60 56.9					Rigel Kentaurus	139 36.6	S 60 56.9
Aldebaran	290 39.4	N 16 33.7	Zubenelgenubi	136 55.4	S 16 08.9					Zubenelgenubi	136 55.4	S 16 08.9
Capella	280 21.7	N 46 01.5	Kocab	137 19.4	N 74 03.3					Kocab	137 19.5	N 74 03.3
Rigel	281 03.7	S 08 10.2	Alphecca	126 03.2	N 26 37.9					Alphecca	126 03.2	N 26 37.9
Bellatrix	278 22.7	N 06 22.4	Antares	112 15.2	S 26 29.4					Antares	112 15.1	S 26 29.4
Elnath	278 01.6	N 28 37.8	Atria	107 08.4	S 69 04.6					Atria	107 08.5	S 69 04.6
Alnilam	275 37.6	S 01 11.0	Sabik	102 02.0	S 15 45.4					Sabik	102 02.0	S 15 45.4
Betelgeuze	270 51.9	N 07 24.8	Shaula	96 09.4	S 37 07.4					Shaula	96 09.4	S 37 07.4
Canopus	263 52.7	S 52 42.4	Rasalhague	95 57.9	N 12 32.6					Rasalhague	95 57.9	N 12 32.7
Sirius	258 26.0	S 16 44.4	Etamin	90 41.5	N 51 29.2					Etamin	90 41.5	N 51 29.3
Adhara	255 05.9	S 29 00.3	Kaus Australis	83 31.5	S 34 22.3					Kaus Australis	83 31.5	S 34 22.3
Castor	245 56.8	N 31 50.0	Vega	80 32.6	N 38 48.4					Vega	80 32.6	N 38 48.4
Procyon	244 50.4	N 05 10.1	Nunki	75 46.8	S 26 15.8					Nunki	75 46.8	S 26 15.8
Pollux	243 16.8	N 27 57.9	Albireo	67 03.3	N 28 00.8					Albireo	67 03.3	N 28 00.8
Avior	234 15.2	S 59 35.5	Altair	61 59.4	N 08 56.0					Altair	61 59.4	N 08 56.0
Suhail	222 46.4	S 43 32.2	Peacock	53 04.4	S 56 39.0					Peacock	53 04.4	S 56 39.0
Miaplacidus	221 38.9	S 69 49.4	Deneb	49 25.1	N 45 22.2					Deneb	49 25.0	N 45 22.3
Alphard												

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## 2025 - First Point of Aries / Selected Stars

UT	day 231 of 365		day 232 of 365		day 233 of 365		day 234 of 365		day 235 of 365		UT
	August 19	GHA ddGHA	August 20	GHA ddGHA	August 21	GHA ddGHA	August 22	GHA ddGHA	August 23	GHA ddGHA	
00	327 36.0	+02.4	328 35.1	+02.5	329 34.3	+02.4	330 33.4	+02.5	331 32.5	+02.5	00
01	342 38.4	+02.5	343 37.6	+02.4	344 36.7	+02.5	345 35.9	+02.4	346 35.0	+02.5	01
02	357 40.9	+02.5	358 40.0	+02.5	359 39.2	+02.4	0 38.3	+02.5	1 37.5	+02.4	02
03	12 43.4	+02.4	13 42.5	+02.5	14 41.6	+02.5	15 40.8	+02.4	16 39.9	+02.5	03
04	27 45.8	+02.5	28 45.0	+02.4	29 44.1	+02.5	30 43.2	+02.5	31 42.4	+02.5	04
05	42 48.3	+02.5	43 47.4	+02.5	44 46.6	+02.4	45 45.7	+02.5	46 44.9	+02.4	05
06	57 50.8	+02.4	58 49.9	+02.5	59 49.0	+02.5	60 48.2	+02.4	61 47.3	+02.5	06
07	72 53.2	+02.5	73 52.4	+02.4	74 51.5	+02.5	75 50.6	+02.5	76 49.8	+02.4	07
08	87 55.7	+02.5	88 54.8	+02.5	89 54.0	+02.4	90 53.1	+02.5	91 52.2	+02.5	08
09	102 58.2	+02.4	103 57.3	+02.5	104 56.4	+02.5	105 55.6	+02.4	106 54.7	+02.5	09
10	118 00.6	+02.5	118 59.8	+02.4	119 58.9	+02.5	120 58.0	+02.5	121 57.2	+02.4	10
11	133 03.1	+02.4	134 02.2	+02.5	135 01.4	+02.4	136 00.5	+02.5	136 59.6	+02.5	11
12	148 05.5	+02.5	149 04.7	+02.4	150 03.8	+02.5	151 03.0	+02.4	152 02.1	+02.5	12
13	163 08.0	+02.5	164 07.1	+02.5	165 06.3	+02.5	166 05.4	+02.5	167 04.6	+02.4	13
14	178 10.5	+02.4	179 09.6	+02.5	180 08.8	+02.4	181 07.9	+02.5	182 07.0	+02.5	14
15	193 12.9	+02.5	194 12.1	+02.4	195 11.2	+02.5	196 10.4	+02.4	197 09.5	+02.5	15
16	208 15.4	+02.5	209 14.5	+02.5	210 13.7	+02.4	211 12.8	+02.5	212 12.0	+02.4	16
17	223 17.9	+02.4	224 17.0	+02.5	225 16.1	+02.5	226 15.3	+02.4	227 14.4	+02.5	17
18	238 20.3	+02.5	239 19.5	+02.4	240 18.6	+02.5	241 17.7	+02.5	242 16.9	+02.4	18
19	253 22.8	+02.5	254 21.9	+02.5	255 21.1	+02.4	256 20.2	+02.5	257 19.3	+02.5	19
20	268 25.3	+02.4	269 24.4	+02.5	270 23.5	+02.5	271 22.7	+02.4	272 21.8	+02.5	20
21	283 27.7	+02.5	284 26.9	+02.4	285 26.0	+02.5	286 25.1	+02.5	287 24.3	+02.4	21
22	298 30.2	+02.4	299 29.3	+02.5	300 28.5	+02.4	301 27.6	+02.5	302 26.7	+02.5	22
23	313 32.6	+02.5	314 31.8	+02.5	315 30.9	+02.5	316 30.1	+02.4	317 29.2	+02.5	23

UT	day 216 of 365		day 217 of 365		day 218 of 365		day 219 of 365		day 220 of 365		UT
	August 4	GHA ddGHA	August 5	GHA ddGHA	August 6	GHA ddGHA	August 7	GHA ddGHA	August 8	GHA ddGHA	
00	312 48.9	+02.4	313 48.0	+02.5	314 47.2	+02.4	315 46.3	+02.5	316 45.4	+02.5	00
01	327 51.3	+02.5	328 50.5	+02.5	329 49.6	+02.5	330 48.8	+02.4	331 47.9	+02.5	01
02	342 53.8	+02.5	343 53.0	+02.4	344 52.1	+02.5	345 51.2	+02.5	346 50.4	+02.4	02
03	357 56.3	+02.4	358 55.4	+02.5	359 54.6	+02.4	0 53.7	+02.5	1 52.8	+02.5	03
04	12 58.7	+02.5	13 57.9	+02.4	14 57.0	+02.5	15 56.2	+02.4	16 55.3	+02.5	04
05	28 01.2	+02.5	29 00.3	+02.5	29 59.5	+02.5	30 58.6	+02.5	31 57.8	+02.4	05
06	43 03.7	+02.4	44 02.8	+02.5	45 02.0	+02.4	46 01.1	+02.5	47 00.2	+02.5	06
07	58 06.1	+02.5	59 05.3	+02.4	60 04.4	+02.5	61 03.6	+02.4	62 02.7	+02.5	07
08	73 08.6	+02.5	74 07.7	+02.5	75 06.9	+02.4	76 06.0	+02.5	77 05.2	+02.4	08
09	88 11.1	+02.4	89 10.2	+02.5	90 09.3	+02.5	91 08.5	+02.4	92 07.6	+02.5	09
10	103 13.5	+02.5	104 12.7	+02.4	105 11.8	+02.5	106 10.9	+02.5	107 10.1	+02.5	10
11	118 16.0	+02.5	119 15.1	+02.5	120 14.3	+02.4	121 13.4	+02.5	122 12.6	+02.4	11
12	133 18.5	+02.4	134 17.6	+02.5	135 16.7	+02.5	136 15.9	+02.4	137 15.0	+02.5	12
13	148 20.9	+02.5	149 20.1	+02.4	150 19.2	+02.5	151 18.3	+02.5	152 17.5	+02.4	13
14	163 23.4	+02.4	164 22.5	+02.5	165 21.7	+02.4	166 20.8	+02.5	167 19.9	+02.5	14
15	178 25.8	+02.5	179 25.0	+02.5	180 24.1	+02.5	181 23.3	+02.4	182 22.4	+02.5	15
16	193 28.3	+02.5	194 27.5	+02.4	195 26.6	+02.5	196 25.7	+02.5	197 24.9	+02.4	16
17	208 30.8	+02.4	209 29.9	+02.5	210 29.1	+02.4	211 28.2	+02.5	212 27.3	+02.5	17
18	223 33.2	+02.5	224 32.4	+02.4	225 31.5	+02.5	226 30.7	+02.4	227 29.8	+02.5	18
19	238 35.7	+02.5	239 34.8	+02.5	240 34.0	+02.4	241 33.1	+02.5	242 32.3	+02.4	19
20	253 38.2	+02.4	254 37.3	+02.5	255 36.4	+02.5	256 35.6	+02.5	257 34.7	+02.5	20
21	268 40.6	+02.5	269 39.8	+02.4	270 38.9	+02.5	271 38.1	+02.4	272 37.2	+02.5	21
22	283 43.1	+02.5	284 42.2	+02.5	285 41.4	+02.4	286 40.5	+02.5	287 39.7	+02.4	22
23	298 45.6	+02.4	299 44.7	+02.5	300 43.8	+02.5	301 43.0	+02.4	302 42.1	+02.5	23

	SHA	Dec		SHA	Dec		SHA	Dec		SHA	Dec	
	° ,	° ,		° ,	° ,		° ,	° ,		° ,	° ,	
Alpheratz	357 34.0	N 29 14.0	Gienah	175 43.3	S 17 41.0					Gienah	175 43.2	S 17 41.1
Ankaa	353 06.4	S 42 09.6	Acrux	173 00.1	S 63 14.6					Acrux	172 60.0	S 63 14.7
Schedir	349 30.1	N 56 40.6	Gacrux	171 51.6	S 57 15.5					Gacrux	171 51.5	S 57 15.5
Diphda	348 46.6	S 17 50.6	Alioth	166 13.0	N 55 49.5					Alioth	166 12.9	N 55 49.5
Achernar	335 19.5	S 57 06.0	Spica	158 21.9	S 11 17.7					Spica	158 21.9	S 11 17.7
Hamal	327 50.6	N 23 35.1	Alkaid	152 51.7	N 49 11.4					Alkaid	152 51.7	N 49 11.4
Polaris	313 44.0	N 89 22.0	Hadar	148 35.5	S 60 30.0					Hadar	148 35.4	S 60 30.0
Acamar	315 11.3	S 40 11.8	Menkent	147 56.8	S 36 29.6					Menkent	147 56.8	S 36 29.6
Menkar	314 05.6	N 04 11.6	Arcturus	145 47.1	N 19 03.9					Arcturus	145 47.1	N 19 03.9
Mirfak	308 27.5	N 49 57.0	Rigel Kentaurus	139 36.8	S 60 56.9					Rigel Kentaurus	139 36.7	S 60 56.9
Aldebaran	290 39.1	N 16 33.8	Zubenelgenubi	136 55.5	S 16 08.9					Zubenelgenubi	136 55.4	S 16 08.9
Capella	280 21.4	N 46 01.5	Kocab	137 20.0	N 74 03.2					Kocab	137 19.7	N 74 03.3
Rigel	281 03.5	S 08 10.1	Alphecca	126 03.3	N 26 37.9					Alphecca	126 03.3	N 26 37.9
Bellatrix	278 22.5	N 06 22.5	Antares	112 15.2	S 26 29.4					Antares	112 15.2	S 26 29.4
Elnath	278 01.4	N 28 37.8	Atria	107 08.7	S 69 04.6					Atria	107 08.6	S 69 04.6
Alnilam	275 37.4	S 01 11.0	Sabik	102 02.1	S 15 45.4					Sabik	102 02.0	S 15 45.4
Betelgeuze	270 51.7	N 07 24.8	Shaula	96 09.5	S 37 07.4					Shaula	96 09.4	S 37 07.4
Canopus	263 52.5	S 52 42.2	Rasalhague	95 57.9	N 12 32.7					Rasalhague	95 57.9	N 12 32.7
Sirius	258 25.8	S 16 44.4	Etamin	90 41.6	N 51 29.3					Etamin	90 41.6	N 51 29.3
Adhara	255 05.7	S 29 00.2	Kaus Australis	83 31.5	S 34 22.3					Kaus Australis	83 31.5	S 34 22.3
Castor	245 56.6	N 31 50.0	Vega	80 32.7	N 38 48.5					Vega	80 32.6	N 38 48.4
Procyon	244 50.3	N 05 10.1	Nunki	75 46.8	S 26 15.9					Nunki	75 46.8	S 26 15.9
Pollux	243 16.6	N 27 57.9	Albireo	67 03.3	N 28 00.9					Albireo	67 03.3	N 28 00.9
Avior	234 15.1	S 59 35.3	Altair	61 59.4	N 08 56.1					Altair	61 59.4	N 08 56.1
Suhail	222 46.4	S 43 32.0	Peacock	53 04.3	S 56 39.1					Peacock	53 04.4	S 56

## 2025 - First Point of Aries / Selected Stars

## 2025 - First Point of Aries / Selected Stars

UT	day 221 of 365		day 222 of 365		day 223 of 365		day 224 of 365		day 225 of 365		UT
	August 9	GHA ddGHA	August 10	GHA ddGHA	August 11	GHA ddGHA	August 12	GHA ddGHA	August 13	GHA ddGHA	
00	317 44.6	+02.5	318 43.7	+02.5	319 42.9	+02.4	320 42.0	+02.5	321 41.1	+02.5	00
01	332 47.1	+02.4	333 46.2	+02.5	334 45.3	+02.5	335 44.5	+02.4	336 43.6	+02.5	01
02	347 49.5	+02.5	348 48.7	+02.4	349 47.8	+02.5	350 46.9	+02.5	351 46.1	+02.4	02
03	2 52.0	+02.4	3 51.1	+02.5	4 50.3	+02.4	5 49.4	+02.5	6 48.5	+02.5	03
04	17 54.4	+02.5	18 53.6	+02.4	19 52.7	+02.5	20 51.9	+02.4	21 51.0	+02.5	04
05	32 56.9	+02.5	33 56.0	+02.5	34 55.2	+02.4	35 54.3	+02.5	36 53.5	+02.4	05
06	47 59.4	+02.4	48 58.5	+02.5	49 57.6	+02.5	50 56.8	+02.4	51 55.9	+02.5	06
07	63 01.8	+02.5	64 01.0	+02.4	65 00.1	+02.5	65 59.2	+02.5	66 58.4	+02.4	07
08	78 04.3	+02.5	79 03.4	+02.5	80 02.6	+02.4	81 01.7	+02.5	82 00.8	+02.5	08
09	93 06.8	+02.4	94 05.9	+02.5	95 05.0	+02.5	96 04.2	+02.4	97 03.3	+02.5	09
10	108 09.2	+02.5	109 08.4	+02.4	110 07.5	+02.5	111 06.6	+02.5	112 05.8	+02.4	10
11	123 11.7	+02.5	124 10.8	+02.5	125 10.0	+02.4	126 09.1	+02.5	127 08.2	+02.5	11
12	138 14.2	+02.4	139 13.3	+02.5	140 12.4	+02.5	141 11.6	+02.4	142 10.7	+02.5	12
13	153 16.6	+02.5	154 15.8	+02.4	155 14.9	+02.5	156 14.0	+02.5	157 13.2	+02.4	13
14	168 19.1	+02.4	169 18.2	+02.5	170 17.4	+02.4	171 16.5	+02.5	172 15.6	+02.5	14
15	183 21.5	+02.5	184 20.7	+02.5	185 19.8	+02.5	186 19.0	+02.4	187 18.1	+02.5	15
16	198 24.0	+02.5	199 23.2	+02.4	200 22.3	+02.5	201 21.4	+02.5	202 20.6	+02.4	16
17	213 26.5	+02.4	214 25.6	+02.5	215 24.8	+02.4	216 23.9	+02.5	217 23.0	+02.5	17
18	228 28.9	+02.5	229 28.1	+02.4	230 27.2	+02.5	231 26.4	+02.4	232 25.5	+02.5	18
19	243 31.4	+02.5	244 30.5	+02.5	245 29.7	+02.4	246 28.8	+02.5	247 28.0	+02.4	19
20	258 33.9	+02.4	259 33.0	+02.5	260 32.1	+02.5	261 31.3	+02.4	262 30.4	+02.5	20
21	273 36.3	+02.5	274 35.5	+02.4	275 34.6	+02.5	276 33.7	+02.5	277 32.9	+02.4	21
22	288 38.8	+02.5	289 37.9	+02.5	290 37.1	+02.4	291 36.2	+02.5	292 35.3	+02.5	22
23	303 41.3	+02.4	304 40.4	+02.5	305 39.5	+02.5	306 38.7	+02.4	307 37.8	+02.5	23

UT	day 226 of 365		day 227 of 365		day 228 of 365		day 229 of 365		day 230 of 365		UT
	August 14	GHA ddGHA	August 15	GHA ddGHA	August 16	GHA ddGHA	August 17	GHA ddGHA	August 18	GHA ddGHA	
00	322 40.3	+02.4	323 39.4	+02.5	324 38.6	+02.4	325 37.7	+02.5	326 36.8	+02.5	00
01	337 42.7	+02.5	338 41.9	+02.4	339 41.0	+02.5	340 40.2	+02.4	341 39.3	+02.5	01
02	352 45.2	+02.5	353 44.3	+02.5	354 43.5	+02.4	355 42.6	+02.5	356 41.8	+02.4	02
03	7 47.7	+02.4	8 46.8	+02.5	9 45.9	+02.5	10 45.1	+02.4	11 44.2	+02.5	03
04	22 50.1	+02.5	23 49.3	+02.4	24 48.4	+02.5	25 47.5	+02.5	26 46.7	+02.5	04
05	37 52.6	+02.5	38 51.7	+02.5	39 50.9	+02.4	40 50.0	+02.5	41 49.2	+02.4	05
06	52 55.1	+02.4	53 54.2	+02.5	54 53.3	+02.5	55 52.5	+02.4	56 51.6	+02.5	06
07	67 57.5	+02.5	68 56.7	+02.4	69 55.8	+02.5	70 54.9	+02.5	71 54.1	+02.4	07
08	82 60.0	+02.5	83 59.1	+02.5	84 58.3	+02.4	85 57.4	+02.5	86 56.5	+02.5	08
09	98 02.5	+02.4	99 01.6	+02.5	100 00.7	+02.5	100 59.9	+02.4	101 59.0	+02.5	09
10	113 04.9	+02.5	114 04.1	+02.4	115 03.2	+02.5	116 02.3	+02.5	117 01.5	+02.4	10
11	128 07.4	+02.4	129 06.5	+02.5	130 05.7	+02.4	131 04.8	+02.5	132 03.9	+02.5	11
12	143 09.8	+02.5	144 09.0	+02.4	145 08.1	+02.5	146 07.3	+02.4	147 06.4	+02.5	12
13	158 12.3	+02.5	159 11.4	+02.5	160 10.6	+02.4	161 09.7	+02.5	162 08.9	+02.4	13
14	173 14.8	+02.4	174 13.9	+02.5	175 13.0	+02.5	176 12.2	+02.5	177 11.3	+02.5	14
15	188 17.2	+02.5	189 16.4	+02.4	190 15.5	+02.5	191 14.7	+02.4	192 13.8	+02.5	15
16	203 19.7	+02.5	204 18.8	+02.5	205 18.0	+02.4	206 17.1	+02.5	207 16.3	+02.4	16
17	218 22.2	+02.4	219 21.3	+02.5	220 20.4	+02.5	221 19.6	+02.4	222 18.7	+02.5	17
18	233 24.6	+02.5	234 23.8	+02.4	235 22.9	+02.5	236 22.0	+02.5	237 21.2	+02.5	18
19	248 27.1	+02.5	249 26.2	+02.5	250 25.4	+02.4	251 24.5	+02.5	252 23.7	+02.4	19
20	263 29.6	+02.4	264 28.7	+02.5	265 27.8	+02.5	266 27.0	+02.4	267 26.1	+02.5	20
21	278 32.0	+02.5	279 31.2	+02.4	280 30.3	+02.5	281 29.4	+02.5	282 28.6	+02.4	21
22	293 34.5	+02.4	294 33.6	+02.5	295 32.8	+02.4	296 31.9	+02.5	297 31.0	+02.5	22
23	308 36.9	+02.5	309 36.1	+02.5	310 35.2	+02.5	311 34.4	+02.4	312 33.5	+02.5	23

	SHA °,	Dec °,		SHA °,	Dec °,		SHA °,	Dec °,		SHA °,	Dec °,	
Alpheratz	357 34.1	N 29 14.0	Gienah	175 43.2	S 17 41.1					Gienah	175 43.3	S 17 41.1
Ankaa	353 06.5	S 42 09.6	Acrux	172 60.0	S 63 14.7					Acrux	173 00.0	S 63 14.6
Schedir	349 30.2	N 56 40.5	Gacrux	171 51.5	S 57 15.5					Gacrux	171 51.6	S 57 15.5
Diphda	348 46.7	S 17 50.6	Alioth	166 12.9	N 55 49.5					Alioth	166 12.9	N 55 49.5
Achernar	335 19.6	S 57 06.0	Spica	158 21.9	S 11 17.7					Spica	158 21.9	S 11 17.7
Hamal	327 50.6	N 23 35.1	Alkaid	152 51.7	N 49 11.4					Alkaid	152 51.7	N 49 11.4
Polaris	313 49.5	N 89 22.0	Hadar	148 35.4	S 60 30.0					Hadar	148 35.5	S 60 30.0
Acamar	315 11.3	S 40 11.8	Menkent	147 56.8	S 36 29.6					Menkent	147 56.8	S 36 29.6
Menkar	314 05.6	N 04 11.6	Arcturus	145 47.1	N 19 03.9					Arcturus	145 47.1	N 19 03.9
Mirfak	308 27.6	N 49 57.0	Rigel Kentaurus	139 36.7	S 60 56.9					Rigel Kentaurus	139 36.8	S 60 56.9
Aldebaran	290 39.2	N 16 33.8	Zubenelgenubi	136 55.4	S 16 08.9					Zubenelgenubi	136 55.4	S 16 08.9
Capella	280 21.5	N 46 01.5	Kocab	137 19.8	N 74 03.3					Kocab	137 19.8	N 74 03.3
Rigel	281 03.6	S 08 10.1	Alphecca	126 03.3	N 26 37.9					Alphecca	126 03.3	N 26 37.9
Bellatrix	278 22.5	N 06 22.5	Antares	112 15.2	S 26 29.4					Antares	112 15.2	S 26 29.4
Elnath	278 01.5	N 28 37.8	Atria	107 08.6	S 69 04.6					Atria	107 08.7	S 69 04.6
Alnilam	275 37.4	S 01 11.0	Sabik	102 02.0	S 15 45.4					Sabik	102 02.1	S 15 45.4
Betelgeuze	270 51.8	N 07 24.8	Shaula	96 09.4	S 37 07.4					Shaula	96 09.4	S 37 07.4
Canopus	263 52.6	S 52 42.3	Rasalhague	95 57.9	N 12 32.7					Rasalhague	95 57.9	N 12 32.7
Sirius	258 25.9	S 16 44.4	Etamin	90 41.6	N 51 29.3					Etamin	90 41.6	N 51 29.3
Adhara	255 05.8	S 29 00.2	Kaus Australis	83 31.5	S 34 22.3					Kaus Australis	83 31.5	S 34 22.3
Castor	245 56.7	N 31 50.0	Vega	80 32.6	N 38 48.5					Vega	80 32.7	N 38 48.5
Procyon	244 50.4	N 05 10.1	Nunki	75 46.8	S 26 15.9					Nunki	75 46.8	S 26 15.9
Pollux	243 16.7	N 27 57.9	Albireo	67 03.3	N 28 00.9					Albireo	67 03.3	N 28 00.9
Avior	234 15.2	S 59 35.4	Altair	61 59.4	N 08 56.1					Altair	61 59.4	N 08 56.1
Suhail	222 46.4	S 43 32.1	Peacock	53 04.3	S 56 39.1					Peacock	53 04.3	S 56 39.1
Miaplacidus	221 39.0	S 69 49.3	Deneb	49 25.0	N 45 22.4					Deneb	49 25.0	N 45 22.4
Alphard</												

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## 2025 - First Point of Aries / Selected Stars

	day 251 of 365	day 252 of 365	day 253 of 365	day 254 of 365	day 255 of 365	
UT	GHA ddGHA	UT				
00	347 18.7 +02.5	348 17.9 +02.4	349 17.0 +02.5	350 16.2 +02.4	351 15.3 +02.5	00
01	2 21.2 +02.5	3 20.3 +02.5	4 19.5 +02.4	5 18.6 +02.5	6 17.8 +02.4	01
02	17 23.7 +02.4	18 22.8 +02.5	19 21.9 +02.5	20 21.1 +02.4	21 20.2 +02.5	02
03	32 26.1 +02.5	33 25.3 +02.4	34 24.4 +02.5	35 23.5 +02.5	36 22.7 +02.5	03
04	47 28.6 +02.5	48 27.7 +02.5	49 26.9 +02.4	50 26.0 +02.5	51 25.2 +02.4	04
05	62 31.1 +02.4	63 30.2 +02.5	64 29.3 +02.5	65 28.5 +02.4	66 27.6 +02.5	05
06	77 33.5 +02.5	78 32.7 +02.4	79 31.8 +02.5	80 30.9 +02.5	81 30.1 +02.4	06
07	92 36.0 +02.5	93 35.1 +02.5	94 34.3 +02.4	95 33.4 +02.5	96 32.5 +02.5	07
08	107 38.5 +02.4	108 37.6 +02.5	109 36.7 +02.5	110 35.9 +02.4	111 35.0 +02.5	08
09	122 40.9 +02.5	123 40.1 +02.4	124 39.2 +02.5	125 38.3 +02.5	126 37.5 +02.4	09
10	137 43.4 +02.4	138 42.5 +02.5	139 41.7 +02.4	140 40.8 +02.5	141 39.9 +02.5	10
11	152 45.8 +02.5	153 45.0 +02.4	154 44.1 +02.5	155 43.3 +02.4	156 42.4 +02.5	11
12	167 48.3 +02.5	168 47.4 +02.5	169 46.6 +02.5	170 45.7 +02.5	171 44.9 +02.4	12
13	182 50.8 +02.4	183 49.9 +02.5	184 49.1 +02.4	185 48.2 +02.5	186 47.3 +02.5	13
14	197 53.2 +02.5	198 52.4 +02.4	199 51.5 +02.5	200 50.7 +02.4	201 49.8 +02.5	14
15	212 55.7 +02.5	213 54.8 +02.5	214 54.0 +02.4	215 53.1 +02.5	216 52.3 +02.4	15
16	227 58.2 +02.4	228 57.3 +02.5	229 56.4 +02.5	230 55.6 +02.4	231 54.7 +02.5	16
17	243 00.6 +02.5	243 59.8 +02.4	244 58.9 +02.5	245 58.0 +02.5	246 57.2 +02.4	17
18	258 03.1 +02.5	259 02.2 +02.5	260 01.4 +02.4	261 00.5 +02.5	261 59.6 +02.5	18
19	273 05.6 +02.4	274 04.7 +02.5	275 03.8 +02.5	276 03.0 +02.4	277 02.1 +02.5	19
20	288 08.0 +02.5	289 07.2 +02.4	290 06.3 +02.5	291 05.4 +02.5	292 04.6 +02.4	20
21	303 10.5 +02.5	304 09.6 +02.5	305 08.8 +02.4	306 07.9 +02.5	307 07.0 +02.5	21
22	318 13.0 +02.4	319 12.1 +02.5	320 11.2 +02.5	321 10.4 +02.4	322 09.5 +02.5	22
23	333 15.4 +02.5	334 14.6 +02.4	335 13.7 +02.5	336 12.8 +02.5	337 12.0 +02.4	23

	day 236 of 365	day 237 of 365	day 238 of 365	day 239 of 365	day 240 of 365	
UT	GHA ddGHA	UT				
00	332 31.7 +02.4	333 30.8 +02.5	334 29.9 +02.5	335 29.1 +02.4	336 28.2 +02.5	00
01	347 34.1 +02.5	348 33.3 +02.4	349 32.4 +02.5	350 31.5 +02.5	351 30.7 +02.4	01
02	2 36.6 +02.5	3 35.7 +02.5	4 34.9 +02.4	5 34.0 +02.5	6 33.1 +02.5	02
03	17 39.1 +02.4	18 38.2 +02.5	19 37.3 +02.5	20 36.5 +02.4	21 35.6 +02.5	03
04	32 41.5 +02.5	33 40.7 +02.4	34 39.8 +02.5	35 38.9 +02.5	36 38.1 +02.4	04
05	47 44.0 +02.5	48 43.1 +02.5	49 42.3 +02.4	50 41.4 +02.5	51 40.5 +02.5	05
06	62 46.5 +02.4	63 45.6 +02.5	64 44.7 +02.5	65 43.9 +02.4	66 43.0 +02.5	06
07	77 48.9 +02.5	78 48.1 +02.4	79 47.2 +02.5	80 46.3 +02.5	81 45.5 +02.4	07
08	92 51.4 +02.4	93 50.5 +02.5	94 49.7 +02.4	95 48.8 +02.5	96 47.9 +02.5	08
09	107 53.8 +02.5	108 53.0 +02.4	109 52.1 +02.5	110 51.3 +02.4	111 50.4 +02.5	09
10	122 56.3 +02.5	123 55.4 +02.5	124 54.6 +02.4	125 53.7 +02.5	126 52.9 +02.4	10
11	137 58.8 +02.4	138 57.9 +02.5	139 57.0 +02.5	140 56.2 +02.4	141 55.3 +02.5	11
12	153 01.2 +02.5	154 00.4 +02.4	154 59.5 +02.5	155 58.6 +02.5	156 57.8 +02.5	12
13	168 03.7 +02.5	169 02.8 +02.5	170 02.0 +02.4	171 01.1 +02.5	172 00.3 +02.4	13
14	183 06.2 +02.4	184 05.3 +02.5	185 04.4 +02.5	186 03.6 +02.4	187 02.7 +02.5	14
15	198 08.6 +02.5	199 07.8 +02.4	200 06.9 +02.5	201 06.0 +02.5	202 05.2 +02.4	15
16	213 11.1 +02.5	214 10.2 +02.5	215 09.4 +02.4	216 08.5 +02.5	217 07.6 +02.5	16
17	228 13.6 +02.4	229 12.7 +02.5	230 11.8 +02.5	231 11.0 +02.4	232 10.1 +02.5	17
18	243 16.0 +02.5	244 15.2 +02.4	245 14.3 +02.5	246 13.4 +02.5	247 12.6 +02.4	18
19	258 18.5 +02.5	259 17.6 +02.5	260 16.8 +02.4	261 15.9 +02.5	262 15.0 +02.5	19
20	273 21.0 +02.4	274 20.1 +02.5	275 19.2 +02.5	276 18.4 +02.4	277 17.5 +02.5	20
21	288 23.4 +02.5	289 22.6 +02.4	290 21.7 +02.5	291 20.8 +02.5	292 20.0 +02.4	21
22	303 25.9 +02.4	304 25.0 +02.5	305 24.2 +02.4	306 23.3 +02.5	307 22.4 +02.5	22
23	318 28.3 +02.5	319 27.5 +02.4	320 26.6 +02.5	321 25.8 +02.4	322 24.9 +02.5	23

	SHA ° ,'	Dec ° ,'		SHA ° ,'	Dec ° ,'	
Alpheratz	357 33.9	N 29 14.1	Gienah	175 43.3	S 17 41.0	
Ankaa	353 06.3	S 42 09.6	Acrux	173 00.2	S 63 14.6	
Schedir	349 30.0	N 56 40.7	Gacrux	171 51.6	S 57 15.4	
Diphda	348 46.5	S 17 50.6	Alioth	166 13.0	N 55 49.4	
Achernar	335 19.3	S 57 06.1	Spica	158 22.0	S 11 17.7	
Hamal	327 50.4	N 23 35.2	Alkaid	152 51.8	N 49 11.3	
Polaris	313 33.9	N 89 22.1	Hadar	148 35.7	S 60 30.0	
Acamar	315 11.1	S 40 11.8	Menkent	147 56.9	S 36 29.5	
Menkar	314 05.4	N 04 11.6	Arcturus	145 47.2	N 19 03.9	
Mirfak	308 27.3	N 49 57.0	Rigel Kentaurus	139 36.9	S 60 56.9	
Aldebaran	290 39.0	N 16 33.8	Zubenelgenubi	136 55.5	S 16 08.9	
Capella	280 21.1	N 46 01.5	Kocab	137 20.3	N 74 03.2	
Rigel	281 03.4	S 08 10.1	Alphecca	126 03.4	N 26 37.9	
Bellatrix	278 22.3	N 06 22.5	Antares	112 15.3	S 26 29.4	
Elnath	278 01.2	N 28 37.8	Atria	107 08.9	S 69 04.6	
Alnilam	275 37.2	S 01 11.0	Sabik	102 02.1	S 15 45.4	
Betelgeuze	270 51.6	N 07 24.8	Shaula	96 09.5	S 37 07.4	
Canopus	263 52.4	S 52 42.2	Rasalhague	95 58.0	N 12 32.7	
Sirius	258 25.7	S 16 44.3	Etamin	90 41.8	N 51 29.4	
Adhara	255 05.6	S 29 00.1	Kaus Australis	83 31.6	S 34 22.3	
Castor	245 56.5	N 31 49.9	Vega	80 32.8	N 38 48.5	
Procyon	244 50.2	N 05 10.1	Nunki	75 46.9	S 26 15.9	
Pollux	243 16.5	N 27 57.9	Albireo	67 03.4	N 28 01.0	
Avior	234 15.0	S 59 35.2	Altair	61 59.4	N 08 56.1	
Suhail	222 46.3	S 43 32.0	Peacock	53 04.4	S 56 39.1	
Miaplacidus	221 38.9	S 69 49.2	Deneb	49 25.1	N 45 22.4	
Alphard	217 47.5	S 08 46.1	Enif	33 38.0	N 09 59.7	
Regulus	207 34.0	N 11 50.6	Alnair	27 31.8	S 46 50.0	
Dubhe	193 40.8	N 61 36.8	Formalhaut	15 13.7	S 29 28.9	
Denebola	182 24.5	N 14 25.9	Markab	13 29.0	N 15 20.7	

	SHA ° ,'	Dec ° ,'		SHA ° ,'	Dec ° ,'	
Alpheratz	357 34.0	N 29 14.0	Gienah	175 43.3	S 17 41.0	
Ankaa	353 06.4	S 42 09.6	Acrux	173 00.1	S 63 14.6	
Schedir	349 30.1	N 56 40.6	Gacrux	171 51.6	S 57 15.4	
Diphda	348 46.6	S 17 50.6	Alioth	166 13.0	N 55 49.4	
Achernar	335 19.5	S 57 06.0	Spica	158 21.9	S 11 17.7	
Hamal	327 50.5	N 23 35.1	Alkaid	152 51.8	N 49 11.4	
Polaris	313 41.5	N 89 22.0	Hadar	148 35.6	S 60 30.0	
Acamar	315 11.2	S 40 11.8	Menkent	147 56.9	S 36 29.6	
Menkar	314 05.5	N 04 11.6	Arcturus	145 47.1	N 19 03.9	
Mirfak	308 27.4	N 49 57.0	Rigel Kentaurus	139 36.8	S 60 56.9	
Aldebaran	290 39.1	N 16 33.8	Zubenelgenubi	136 55.5	S 16 08.9	
Capella	280 21.3	N 46 01.5	Kocab	137 20.0	N 74 03.2	
Rigel	281 03.5	S 08 10.1	Alphecca	126 03.4	N 26 37.9	
Bellatrix	278 22.4	N 06 22.5	Antares	112 15.2	S 26 29.4	
Elnath	278 01.3	N 28 37.8	Atria	107 08.7	S 69 04.6	
Alnilam	275 37.3	S 01 11.0	Sabik	102 02.1	S 15 45.4	
Betelgeuze	270 51.7	N 07 24.8	Shaula	96 09.5	S 37 07.4	
Canopus	263 52.5	S 52 42.2	Rasalhague	95 58.0	N 12 32.7	
Sirius	258 25.8	S 16 44.3	Etamin	90 41.7	N 51 29.4	
Adhara	255 05.7	S 29 00.1	Kaus Australis	83 31.6	S 34 22.3	
Castor	245 56.6	N 31 50.0	Vega	80 32.7	N 38 48.5	
Procyon	244 50.3	N 05 10.1	Nunki	75 46.8	S 26 15.9	
Pollux	243 16.6	N 27 57.9	Albireo	67 03.3	N 28 01.0	
Avior	234 15.1	S 59 35.3	Altair	61 59.4	N 08 56.1	
Suhail	222 46.4	S 43 32.0	Peacock	53 04.3	S 56 39.1	
Miaplacidus	221 38.9	S 69 49.3	Deneb	49 25.0	N 45 22.4	
Alphard	217 47.6	S 08 46.1	Enif	33 38.0	N 09 59.7	
Regulus	207 34.1	N 11 50.6	Alnair			

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

	day 241 of 365	day 242 of 365	day 243 of 365	day 244 of 365	day 245 of 365	
UT	August 29	August 30	August 31	September 1	September 2	UT
	GHA ddGHA					
00	337 27.4 +02.4	338 26.5 +02.5	339 25.6 +02.5	340 24.8 +02.4	341 23.9 +02.5	00
01	352 29.8 +02.5	353 30.0 +02.4	354 28.1 +02.5	355 27.2 +02.5	356 26.4 +02.4	01
02	7 32.3 +02.4	8 31.4 +02.5	9 30.6 +02.5	10 29.7 +02.5	11 28.8 +02.5	02
03	22 34.7 +02.5	23 33.9 +02.5	24 33.0 +02.5	25 32.2 +02.4	26 31.3 +02.5	03
04	37 37.2 +02.5	38 36.4 +02.4	39 35.5 +02.5	40 34.6 +02.5	41 33.8 +02.4	04
05	52 39.7 +02.4	53 38.8 +02.5	54 38.0 +02.4	55 37.1 +02.5	56 36.2 +02.5	05
06	67 42.1 +02.5	68 41.3 +02.4	69 40.4 +02.5	70 39.6 +02.4	71 38.7 +02.5	06
07	82 44.6 +02.5	83 43.7 +02.5	84 42.9 +02.4	85 42.0 +02.5	86 41.2 +02.4	07
08	97 47.1 +02.4	98 46.2 +02.5	99 45.3 +02.5	100 44.5 +02.4	101 43.6 +02.5	08
09	112 49.5 +02.5	113 48.7 +02.4	114 47.8 +02.5	115 46.9 +02.5	116 46.1 +02.5	09
10	127 52.0 +02.5	128 51.1 +02.5	129 50.3 +02.4	130 49.4 +02.5	131 48.6 +02.4	10
11	142 54.5 +02.4	143 53.6 +02.5	144 52.7 +02.5	145 51.9 +02.4	146 51.0 +02.5	11
12	157 56.9 +02.5	158 56.1 +02.4	159 55.2 +02.5	160 54.3 +02.5	161 53.5 +02.4	12
13	172 59.4 +02.5	173 58.5 +02.5	174 57.7 +02.4	175 56.8 +02.5	176 55.9 +02.5	13
14	188 01.9 +02.4	189 01.0 +02.5	190 00.1 +02.5	190 59.3 +02.4	191 58.4 +02.5	14
15	203 04.3 +02.5	204 03.5 +02.4	205 02.6 +02.5	206 01.7 +02.5	207 00.9 +02.4	15
16	218 06.8 +02.4	219 05.9 +02.5	220 05.1 +02.4	221 04.2 +02.5	222 03.3 +02.5	16
17	233 09.2 +02.5	234 08.4 +02.4	235 07.5 +02.5	236 06.7 +02.4	237 05.8 +02.5	17
18	248 11.7 +02.5	249 10.8 +02.5	250 10.0 +02.5	251 09.1 +02.5	252 08.3 +02.4	18
19	263 14.2 +02.4	264 13.3 +02.5	265 12.5 +02.4	266 11.6 +02.5	267 10.7 +02.5	19
20	278 16.6 +02.5	279 15.8 +02.4	280 14.9 +02.5	281 14.1 +02.4	282 13.2 +02.5	20
21	293 19.1 +02.5	294 18.2 +02.5	295 17.4 +02.4	296 16.5 +02.5	297 15.7 +02.4	21
22	308 21.6 +02.4	309 20.7 +02.5	310 19.8 +02.5	311 19.0 +02.4	312 18.1 +02.5	22
23	323 24.0 +02.5	324 23.2 +02.4	325 22.3 +02.5	326 21.4 +02.5	327 20.6 +02.5	23

	day 246 of 365	day 247 of 365	day 248 of 365	day 249 of 365	day 250 of 365
UT	September 3	September 4	September 5	September 6	September 7
	GHA ddGHA				
00	342 23.1 +02.4	343 22.2 +02.5	344 21.3 +02.5	345 20.5 +02.4	346 19.6 +02.5
01	357 25.5 +02.5	358 24.7 +02.4	359 23.8 +02.5	360 22.9 +02.5	361 21.1 +02.4
02	12 28.0 +02.4	13 27.1 +02.5	14 26.3 +02.4	15 25.4 +02.5	16 24.5 +02.5
03	27 30.4 +02.5	28 29.6 +02.4	29 28.7 +02.5	30 27.9 +02.4	31 27.0 +02.5
04	42 32.9 +02.5	43 32.0 +02.5	44 31.2 +02.5	45 30.3 +02.5	46 29.5 +02.4
05	57 35.4 +02.4	58 34.5 +02.5	59 33.7 +02.4	60 32.8 +02.5	61 31.9 +02.5
06	72 37.8 +02.5	73 37.0 +02.4	74 36.1 +02.5	75 35.3 +02.4	76 34.4 +02.5
07	87 40.3 +02.5	88 39.4 +02.5	89 38.6 +02.4	90 37.7 +02.5	91 36.9 +02.4
08	102 42.8 +02.4	103 41.9 +02.5	104 41.0 +02.5	105 40.2 +02.4	106 39.3 +02.5
09	117 45.2 +02.5	118 44.4 +02.4	119 43.5 +02.5	120 42.6 +02.5	121 41.8 +02.4
10	132 47.7 +02.5	133 46.8 +02.5	134 46.0 +02.4	135 45.1 +02.5	136 44.2 +02.5
11	147 50.2 +02.4	148 49.3 +02.5	149 48.4 +02.5	150 47.6 +02.4	151 46.7 +02.5
12	162 52.6 +02.5	163 51.8 +02.4	164 50.9 +02.5	165 50.0 +02.5	166 49.2 +02.4
13	177 55.1 +02.5	178 54.2 +02.5	179 53.4 +02.4	180 52.5 +02.5	181 51.6 +02.5
14	192 57.6 +02.4	193 56.7 +02.5	194 55.8 +02.5	195 55.0 +02.4	196 54.1 +02.5
15	208 00.0 +02.5	208 59.2 +02.4	209 58.3 +02.5	210 57.4 +02.5	211 56.6 +02.4
16	223 02.5 +02.4	224 01.6 +02.5	225 00.8 +02.4	225 59.9 +02.5	226 59.0 +02.5
17	238 04.9 +02.5	239 04.1 +02.4	240 03.2 +02.5	241 02.4 +02.4	242 01.5 +02.5
18	253 07.4 +02.5	254 06.5 +02.5	255 05.7 +02.4	256 04.8 +02.5	257 04.0 +02.4
19	268 09.9 +02.4	269 09.0 +02.5	270 08.1 +02.5	271 07.3 +02.5	272 06.4 +02.5
20	283 12.3 +02.5	284 11.5 +02.4	285 10.6 +02.5	286 09.8 +02.4	287 08.9 +02.5
21	298 14.8 +02.5	299 13.9 +02.5	300 13.1 +02.4	301 12.2 +02.5	302 11.4 +02.4
22	313 17.3 +02.4	314 16.4 +02.5	315 15.5 +02.5	316 14.7 +02.4	317 13.8 +02.5
23	328 19.7 +02.5	329 18.9 +02.4	330 18.0 +02.5	331 17.1 +02.5	332 16.3 +02.4

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357 34.0	N 29 14.1	Gienah	175 43.3	S 17 41.0	
Ankaa	353 06.4	S 42 09.6	Acrux	173 00.1	S 63 14.6	
Schedir	349 30.0	N 56 40.6	Gacrux	171 51.6	S 57 15.4	
Diphda	348 46.6	S 17 50.6	Alioth	166 13.0	N 55 49.4	
Achernar	335 19.4	S 57 06.1	Spica	158 21.9	S 11 17.7	
Hamal	327 50.5	N 23 35.1	Alkaid	152 51.8	N 49 11.3	
Polaris	313 39.0	N 89 22.1	Hadar	148 35.6	S 60 30.0	
Acamar	315 11.2	S 40 11.8	Menkent	147 56.9	S 36 29.6	
Menkar	314 05.5	N 04 11.6	Arcturus	145 47.2	N 19 03.9	
Mirfak	308 27.4	N 49 57.0	Rigel Kentaurus	139 36.9	S 60 56.9	
Aldebaran	290 39.1	N 16 33.8	Zubenelgenubi	136 55.5	S 16 08.9	
Capella	280 21.3	N 46 01.5	Kocab	137 20.1	N 74 03.2	
Rigel	281 03.4	S 08 10.1	Alphecca	126 03.4	N 26 37.9	
Bellatrix	278 22.4	N 06 22.5	Antares	112 15.3	S 26 29.4	
Elnath	278 01.3	N 28 37.8	Atria	107 08.8	S 69 04.6	
Alnilam	275 37.3	S 01 11.0	Sabik	102 02.1	S 15 45.4	
Betelgeuze	270 51.7	N 07 24.8	Shaula	96 09.5	S 37 07.4	
Canopus	263 52.5	S 52 42.2	Rasalhague	95 58.0	N 12 32.7	
Sirius	258 25.8	S 16 44.3	Etamin	90 41.7	N 51 29.4	
Adhara	255 05.7	S 29 00.1	Kaus Australis	83 31.6	S 34 22.3	
Castor	245 56.6	N 31 50.0	Vega	80 32.7	N 38 48.5	
Procyon	244 50.3	N 05 10.1	Nunki	75 46.9	S 26 15.9	
Pollux	243 16.6	N 27 57.9	Albireo	67 03.4	N 28 01.0	
Avior	234 15.1	S 59 35.3	Altair	61 59.4	N 08 56.1	
Suhail	222 46.3	S 43 32.0	Peacock	53 04.4	S 56 39.2	
Miaplacidus	221 38.9	S 69 49.2	Deneb	49 25.0	N 45 22.5	
Alphard	217 47.5	S 08 46.1	Enif	33 38.0	N 09 59.7	
Regulus	207 34.1	N 11 50.6	Alnair	27 31.8	S 46 50.1	
Dubhe	193 40.8	N 61 36.9	Formalhaut	15 13.7	S 29 29.0	
Denebola	182 24.5	N 14 25.9	Markab	13 29.1	N 15 20.8	

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357 33.9	N 29 14.1	Gienah	175 43.3	S 17 41.0	
Ankaa	353 06.3	S 42 09.6	Acrux	173 00.1	S 63 14.6	
Schedir	349 30.0	N 56 40.7	Gacrux	171 51.6	S 57 15.4	
Diphda	348 46.5	S 17 50.6	Alioth	166 13.0	N 55 49.4	
Achernar	335 19.4	S 57 06.1	Spica	158 22.0	S 11 17.7	
Hamal	327 50.5	N 23 35.1	Alkaid	152 51.8	N 49 11.3	
Polaris	313 36.2	N 89 22.1	Hadar	148 35.6	S 60 30.0	
Acamar	315 11.1	S 40 11.8	Menkent	147 56.9	S 36 29.6	
Menkar	314 05.4	N 04 11.6	Arcturus	145 47.2	N 19 03.9	
Mirfak	308 27.3	N 49 57.0	Rigel Kentaurus	139 36.9	S 60 56.9	
Aldebaran	290 39.0	N 16 33.8	Zubenelgenubi	136 55.5	S 16 08.9	
Capella	280 21.2	N 46 01.5	Kocab	137 20.2	N 74 03.2	
Rigel	281 03.4	S 08 10.1	Alphecca	126 03.4	N 26 37.9	
Bellatrix	278 22.3	N 06 22.5	Antares	112 15.3	S 26 29.4	
Elnath	278 01.3	N 28 37.8	Atria	107 08.9	S 69 04.6	
Alnilam	275 37.3	S 01 11.0	Sabik	102 02.1	S 15 45.4	
Betelgeuze	270 51.6	N 07 24.8	Shaula	96 09.5	S 37 07.4	
Canopus	263 52.4	S 52 42.2	Rasalhague	95 58.0	N 12 32.7	
Sirius	258 25.7	S 16 44.3	Etamin	90 41.8	N 51 29.4	
Adhara	255 05.6	S 29 00.1	Kaus Australis	83 31.6	S 34 22.3	
Castor	245 56.5	N 31 50.0	Vega	80 32.8	N 38 48.5	
Procyon	244 50.2	N 05 10.1	Nunki	75 46.9	S 26 15.9	
Pollux	243 16.5	N 27 57.9	Albireo	67 03.4	N 28 01.0	
Avior	234 15.1	S 59 35.3	Altair	61 59.4	N 08 56.1	
Suhail	222 46.3	S 43 32.0	Peacock	53 04.4	S 56 39.2	
Miaplacidus	221 38.9	S 69 49.2	Deneb	49 25.1	N 45 22.5	
Alphard	217 47.5	S 08 46.1	Enif	33 38.0	N 09 59.7	

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

day 271 of 365 <b>September 28</b>		day 272 of 365 <b>September 29</b>		day 273 of 365 <b>September 30</b>		day 274 of 365 <b>October 1</b>		day 275 of 365 <b>October 2</b>		<b>UT</b>
GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	UT
00 7 01.5	+02.5	00 8 00.6	+02.5	00 8 59.8	+02.5	00 9 58.9	+02.5	00 10 58.1	+02.4	00
01 22 04.0	+02.4	01 23 03.1	+02.5	01 24 02.3	+02.4	01 25 01.4	+02.5	01 26 00.5	+02.5	01
02 37 06.4	+02.5	02 38 05.6	+02.4	02 39 04.7	+02.5	02 40 03.9	+02.4	02 41 03.0	+02.5	02
03 52 08.9	+02.5	03 53 08.0	+02.5	03 54 07.2	+02.4	03 55 06.3	+02.5	03 56 05.5	+02.4	03
04 67 11.4	+02.4	04 68 10.5	+02.5	04 69 09.6	+02.5	04 70 08.8	+02.4	04 71 07.9	+02.5	04
05 82 13.8	+02.5	05 83 13.0	+02.4	05 84 12.1	+02.5	05 85 11.2	+02.5	05 86 10.4	+02.5	05
06 97 16.3	+02.5	06 98 15.4	+02.5	06 99 14.6	+02.4	06 100 13.7	+02.5	06 101 12.9	+02.4	06
07 112 18.8	+02.4	07 113 17.9	+02.5	07 114 17.0	+02.5	07 115 16.2	+02.4	07 116 15.3	+02.5	07
08 127 21.2	+02.5	08 128 20.4	+02.4	08 129 19.5	+02.5	08 130 18.6	+02.5	08 131 17.8	+02.4	08
09 142 23.7	+02.5	09 143 22.8	+02.5	09 144 22.0	+02.4	09 145 21.1	+02.5	09 146 20.2	+02.5	09
10 157 26.2	+02.4	10 158 25.3	+02.5	10 159 24.4	+02.5	10 160 23.6	+02.4	10 161 22.7	+02.5	10
11 172 28.6	+02.5	11 173 27.8	+02.4	11 174 26.9	+02.5	11 175 26.0	+02.5	11 176 25.2	+02.4	11
12 187 31.1	+02.4	12 188 30.2	+02.5	12 189 29.4	+02.4	12 190 28.5	+02.5	12 191 27.6	+02.5	12
13 202 33.5	+02.5	13 203 32.7	+02.4	13 204 31.8	+02.5	13 205 31.0	+02.4	13 206 30.1	+02.5	13
14 217 36.0	+02.5	14 218 35.1	+02.5	14 219 34.3	+02.5	14 220 33.4	+02.5	14 221 32.6	+02.4	14
15 232 38.5	+02.4	15 233 37.6	+02.5	15 234 36.8	+02.4	15 235 35.9	+02.5	15 236 35.0	+02.5	15
16 247 40.9	+02.5	16 248 40.1	+02.4	16 249 39.2	+02.5	16 250 38.4	+02.4	16 251 37.5	+02.5	16
17 262 43.4	+02.5	17 263 42.5	+02.5	17 264 41.7	+02.4	17 265 40.8	+02.5	17 266 40.0	+02.4	17
18 277 45.9	+02.4	18 278 45.0	+02.5	18 279 44.1	+02.5	18 280 43.3	+02.4	18 281 42.4	+02.5	18
19 292 48.3	+02.5	19 293 47.5	+02.4	19 294 46.6	+02.5	19 295 45.7	+02.5	19 296 44.9	+02.5	19
20 307 50.8	+02.5	20 308 49.9	+02.5	20 309 49.1	+02.4	20 310 48.2	+02.5	20 311 47.4	+02.4	20
21 322 53.3	+02.4	21 323 52.4	+02.5	21 324 51.5	+02.5	21 325 50.7	+02.4	21 326 49.8	+02.5	21
22 337 55.7	+02.5	22 338 54.9	+02.4	22 339 54.0	+02.5	22 340 53.1	+02.5	22 341 52.3	+02.4	22
23 352 58.2	+02.4	23 353 57.3	+02.5	23 354 56.5	+02.4	23 355 55.6	+02.5	23 356 54.7	+02.5	23

day 256 of 365 <b>September 13</b>		day 257 of 365 <b>September 14</b>		day 258 of 365 <b>September 15</b>		day 259 of 365 <b>September 16</b>		day 260 of 365 <b>September 17</b>		<b>UT</b>
UT	GHA	ddGHA	UT	GHA	ddGHA	UT	GHA	ddGHA	UT	UT
00 352 14.4	+02.5	00 353 13.6	+02.4	00 354 12.7	+02.5	00 355 11.9	+02.4	00 356 11.0	+02.5	00
01 7 16.9	+02.4	01 8 16.0	+02.5	01 9 15.2	+02.4	01 10 14.3	+02.5	01 11 13.5	+02.4	01
02 22 19.4	+02.4	02 23 18.5	+02.5	02 24 17.6	+02.5	02 25 16.8	+02.4	02 26 15.9	+02.5	02
03 37 21.8	+02.5	03 38 21.0	+02.4	03 39 20.1	+02.5	03 40 19.2	+02.5	03 41 18.4	+02.5	03
04 52 24.3	+02.5	04 53 23.4	+02.5	04 54 22.6	+02.4	04 55 21.7	+02.5	04 56 20.9	+02.4	04
05 67 26.8	+02.4	05 68 25.9	+02.5	05 69 25.0	+02.5	05 70 24.2	+02.4	05 71 23.3	+02.5	05
06 82 29.2	+02.5	06 83 28.4	+02.4	06 84 27.5	+02.5	06 85 26.6	+02.5	06 86 25.8	+02.4	06
07 97 31.7	+02.4	07 98 30.8	+02.5	07 99 30.0	+02.4	07 100 29.1	+02.5	07 101 28.2	+02.5	07
08 112 34.1	+02.5	08 113 33.3	+02.5	08 114 32.4	+02.5	08 115 31.6	+02.4	08 116 30.7	+02.5	08
09 127 36.6	+02.5	09 128 35.8	+02.4	09 129 34.9	+02.5	09 130 34.0	+02.5	09 131 33.2	+02.4	09
10 142 39.1	+02.4	10 143 38.2	+02.5	10 144 37.4	+02.4	10 145 36.5	+02.5	10 146 35.6	+02.5	10
11 157 41.5	+02.5	11 158 40.7	+02.4	11 159 39.8	+02.5	11 160 39.0	+02.4	11 161 38.1	+02.5	11
12 172 44.0	+02.5	12 173 43.1	+02.5	12 174 42.3	+02.4	12 175 41.4	+02.5	12 176 40.6	+02.4	12
13 187 46.5	+02.4	13 188 45.6	+02.5	13 189 44.7	+02.5	13 190 43.9	+02.5	13 191 43.0	+02.5	13
14 202 48.9	+02.5	14 203 48.1	+02.4	14 204 47.2	+02.5	14 205 46.4	+02.4	14 206 45.5	+02.5	14
15 217 51.4	+02.5	15 218 50.5	+02.5	15 219 49.7	+02.4	15 220 48.8	+02.5	15 221 48.0	+02.4	15
16 232 53.9	+02.4	16 233 53.0	+02.5	16 234 52.1	+02.5	16 235 51.3	+02.4	16 236 50.4	+02.5	16
17 247 56.3	+02.5	17 248 55.5	+02.4	17 249 54.6	+02.5	17 250 53.7	+02.5	17 251 52.9	+02.4	17
18 262 58.8	+02.5	18 263 57.9	+02.5	18 264 57.1	+02.4	18 265 56.2	+02.5	18 266 55.3	+02.5	18
19 278 01.3	+02.4	19 279 00.4	+02.5	19 279 00.4	+02.5	19 280 59.5	+02.5	19 281 58.7	+02.5	19
20 293 03.7	+02.5	20 294 02.9	+02.4	20 295 02.0	+02.5	20 296 01.1	+02.5	20 297 00.3	+02.4	20
21 308 06.2	+02.4	21 309 05.3	+02.5	21 310 04.5	+02.4	21 311 03.6	+02.5	21 312 02.7	+02.5	21
22 323 08.6	+02.5	22 324 07.8	+02.5	22 325 06.9	+02.5	22 326 06.1	+02.4	22 327 05.2	+02.5	22
23 338 11.1	+02.5	23 339 10.3	+02.4	23 340 09.4	+02.5	23 341 08.5	+02.5	23 342 07.7	+02.4	23

SHA ° , Dec ° ,		SHA ° , Dec ° ,		SHA ° , Dec ° ,		SHA ° , Dec ° ,		SHA ° , Dec ° ,		SHA ° , Dec ° ,	
Alpheratz	357 33.9	N 29 14.2	Gienah	175 43.3	S 17 41.0	Acrux	173 00.2	S 63 14.5	Gacruz	171 51.7	S 57 15.3
Ankaa	353 06.2	S 42 09.7	Acrux	173 00.2	S 63 14.5	Gacruz	171 51.7	S 57 15.4	Gacruz	171 51.7	S 57 15.4
Schedir	349 29.9	N 56 40.8	Gacruz	171 51.7	S 57 15.3	Diphda	348 46.5	S 17 50.6	Alioth	166 13.1	N 55 49.4
Achernar	335 19.2	S 57 06.1	Spica	158 22.0	S 11 17.6	Achernar	335 19.3	S 57 06.1	Spica	158 22.0	S 11 17.6
Hamal	327 50.3	N 23 35.2	Alkaid	152 51.9	N 49 11.2	Hamal	327 50.4	N 23 35.2	Alkaid	152 51.9	N 49 11.3
Polaris	313 24.7	N 89 22.2	Hadar	148 35.8	S 60 29.9	Polaris	313 24.7	N 89 22.2	Hadar	148 35.7	S 60 29.9
Acamar	315 11.0	S 40 11.8	Menkent	147 57.0	S 36 29.5	Acamar	315 11.1	S 40 11.8	Menkent	147 56.9	S 36 29.5
Menkar	314 05.3	N 04 11.6	Arcturus	145 47.2	N 19 03.9	Menkar	314 05.4	N 04 11.6	Arcturus	145 47.2	N 19 03.9
Mirfak	308 27.1	N 49 57.1	Rigel Kentaurus	139 37.1	S 60 56.8	Mirfak	308 27.2	N 49 57.0	Rigel Kentaurus	139 37.0	S 60 56.9
Aldebaran	290 38.8	N 16 33.8	Zubenelgenubi	136 55.6	S 16 08.8	Aldebaran	290 38.9	N 16 33.8	Zubenelgenubi	136 55.5	S 16 08.9
Capella	280 20.9	N 46 01.5	Kocab	137 20.6	N 74 03.1	Capella	280 21.1	N 46 01.5	Kocab	137 20.4	N 74 03.2
Rigel	281 03.2	S 08 10.1	Alphecca	126 03.5	N 26 37.9	Rigel	281 03.3	S 08 10.1	Alphecca	126 03.5	N 26 37.9
Bellatrix	278 22.2	N 06 22.5	Antares	112 15.4	S 26 29.4	Bellatrix	278 22.3	N 06 22.5	Antares	112 15.3	S 26 29.4
Elnath	278 01.1	N 28 37.8	Atria	107 09.2	S 69 04.6	Elnath	278 01.2	N 28 37.8	Atria	107 09.0	S 69 04.6
Alnilam	275 37.1	S 01 11.0	Sabik	102 02.2	S 15 45.4	Alnilam	275 37.2	S 01 11.0	Sabik	102 02.2	S 15 45.4
Betelgeuze	270 51.4	N 07 24.8	Shaula	96 09.7	S 37 07.4	Betelgeuze	270 51.5	N 07 24.8	Shaula	96 09.6	S 37 07.4
Canopus	263 52.2	S 52 42.2	Rasalhague	95 58.1	N 12 32.7	Canopus	263 52.3	S 52 42.2	Rasalhague	95 58.0	N 12 32.7
Sirius	258 25.5	S 16 44.3	Etamin	90 42.0	N 51 29.4	Sirius	258 25.7	S 16 44.3	Etamin	90 41.8	N 51 29.4
Adhara	255 05.5	S 29 00.1	Kaus Australis	83 31.7	S 34 22.4	Adhara	255 05.6	S 29 00.1			

## 2025 - First Point of Aries / Selected Stars

## 2025 - First Point of Aries / Selected Stars

	day 261 of 365	day 262 of 365	day 263 of 365	day 264 of 365	day 265 of 365	
UT	GHA ddGHA	UT				
00	357 10.1 +02.5	358 09.3 +02.4	359 08.4 +02.5	0 07.5 +02.5	1 06.7 +02.4	00
01	12 12.6 +02.5	13 11.7 +02.5	14 10.9 +02.4	15 10.0 +02.5	16 09.1 +02.5	01
02	27 15.1 +02.4	28 14.2 +02.5	29 13.3 +02.5	30 12.5 +02.4	31 11.6 +02.5	02
03	42 17.5 +02.5	43 16.7 +02.4	44 15.8 +02.5	45 14.9 +02.5	46 14.1 +02.4	03
04	57 20.0 +02.5	58 19.1 +02.5	59 18.3 +02.4	60 17.4 +02.5	61 16.5 +02.5	04
05	72 22.5 +02.4	73 21.6 +02.5	74 20.7 +02.5	75 19.9 +02.4	76 19.0 +02.5	05
06	87 24.9 +02.5	88 24.1 +02.4	89 23.2 +02.5	90 22.3 +02.5	91 21.5 +02.4	06
07	102 27.4 +02.4	103 26.5 +02.5	104 25.7 +02.4	105 24.8 +02.5	106 23.9 +02.5	07
08	117 29.8 +02.5	118 29.0 +02.4	119 28.1 +02.5	120 27.3 +02.4	121 26.4 +02.5	08
09	132 32.3 +02.5	133 31.4 +02.5	134 30.6 +02.4	135 29.7 +02.5	136 28.9 +02.4	09
10	147 34.8 +02.4	148 33.9 +02.5	149 33.0 +02.5	150 32.2 +02.5	151 31.3 +02.5	10
11	162 37.2 +02.5	163 36.4 +02.4	164 35.5 +02.5	165 34.7 +02.4	166 33.8 +02.5	11
12	177 39.7 +02.5	178 38.8 +02.5	179 38.0 +02.4	180 37.1 +02.5	181 36.3 +02.4	12
13	192 42.2 +02.4	193 41.3 +02.5	194 40.4 +02.5	195 39.6 +02.4	196 38.7 +02.5	13
14	207 44.6 +02.5	208 43.8 +02.4	209 42.9 +02.5	210 42.0 +02.5	211 41.2 +02.4	14
15	222 47.1 +02.5	223 46.2 +02.5	224 45.4 +02.4	225 44.5 +02.5	226 43.6 +02.5	15
16	237 49.6 +02.4	238 48.7 +02.5	239 47.8 +02.5	240 47.0 +02.4	241 46.1 +02.5	16
17	252 52.0 +02.5	253 51.2 +02.4	254 50.3 +02.5	255 49.4 +02.5	256 48.6 +02.4	17
18	267 54.5 +02.5	268 53.6 +02.5	269 52.8 +02.4	270 51.9 +02.5	271 51.0 +02.5	18
19	282 57.0 +02.4	283 56.1 +02.5	284 55.2 +02.5	285 54.4 +02.4	286 53.5 +02.5	19
20	297 59.4 +02.5	298 58.6 +02.4	299 57.7 +02.5	300 56.8 +02.5	301 56.0 +02.4	20
21	313 01.9 +02.4	314 01.0 +02.5	315 00.2 +02.4	315 59.3 +02.5	316 58.4 +02.5	21
22	328 04.3 +02.5	329 03.5 +02.4	330 02.6 +02.5	331 01.8 +02.4	332 00.9 +02.5	22
23	343 06.8 +02.5	344 05.9 +02.5	345 05.1 +02.4	346 04.2 +02.5	347 03.4 +02.4	23

	day 266 of 365	day 267 of 365	day 268 of 365	day 269 of 365	day 270 of 365
UT	GHA ddGHA	GHA ddGHA	GHA ddGHA	GHA ddGHA	UT
00	2 05.8 +02.5	3 05.0 +02.4	4 04.1 +02.5	5 03.2 +02.5	6 02.4 +02.4
01	17 08.3 +02.4	18 07.4 +02.5	19 06.6 +02.4	20 05.7 +02.5	21 04.8 +02.5
02	32 10.7 +02.5	33 09.9 +02.4	34 09.0 +02.5	35 08.2 +02.4	36 07.3 +02.5
03	47 13.2 +02.5	48 12.3 +02.5	49 11.5 +02.5	50 10.6 +02.5	51 09.8 +02.4
04	62 15.7 +02.4	63 14.8 +02.5	64 14.0 +02.4	65 13.1 +02.5	66 12.2 +02.5
05	77 18.1 +02.5	78 17.3 +02.4	79 16.4 +02.5	80 15.6 +02.4	81 14.7 +02.5
06	92 20.6 +02.5	93 19.7 +02.5	94 18.9 +02.4	95 18.0 +02.5	96 17.2 +02.4
07	107 23.1 +02.4	108 22.2 +02.5	109 21.3 +02.5	110 20.5 +02.4	111 19.6 +02.5
08	122 25.5 +02.5	123 24.7 +02.4	124 23.8 +02.5	125 22.9 +02.5	126 22.1 +02.4
09	137 28.0 +02.5	138 27.1 +02.5	139 26.3 +02.4	140 25.4 +02.5	141 24.5 +02.5
10	152 30.5 +02.4	153 29.6 +02.5	154 28.7 +02.5	155 27.9 +02.4	156 27.0 +02.5
11	167 32.9 +02.5	168 32.1 +02.4	169 31.2 +02.5	170 30.3 +02.5	171 29.5 +02.4
12	182 35.4 +02.5	183 34.5 +02.5	184 33.7 +02.4	185 32.8 +02.5	186 31.9 +02.5
13	197 37.9 +02.4	198 37.0 +02.5	199 36.1 +02.5	200 35.3 +02.4	201 34.4 +02.5
14	212 40.3 +02.5	213 39.5 +02.4	214 38.6 +02.5	215 37.7 +02.5	216 36.9 +02.4
15	227 42.8 +02.4	228 41.9 +02.5	229 41.1 +02.4	230 40.2 +02.5	231 39.3 +02.5
16	242 45.2 +02.5	243 44.4 +02.4	244 43.5 +02.5	245 42.7 +02.4	246 41.8 +02.5
17	257 47.7 +02.5	258 46.8 +02.5	259 46.0 +02.4	260 45.1 +02.5	261 44.3 +02.4
18	272 50.2 +02.4	273 49.3 +02.5	274 48.4 +02.5	275 47.6 +02.4	276 46.7 +02.5
19	287 52.6 +02.5	288 51.8 +02.4	289 50.9 +02.5	290 50.0 +02.5	291 49.2 +02.5
20	302 55.1 +02.5	303 54.2 +02.5	304 53.4 +02.4	305 52.5 +02.5	306 51.7 +02.4
21	317 57.6 +02.4	318 56.7 +02.5	319 55.8 +02.5	320 55.0 +02.4	321 54.1 +02.5
22	333 00.0 +02.5	333 59.2 +02.4	334 58.3 +02.5	335 57.4 +02.5	336 56.6 +02.4
23	348 02.5 +02.5	349 01.6 +02.5	350 00.8 +02.4	350 59.9 +02.5	351 59.0 +02.5

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357 33.9	N 29 14.1	Gienah	175 43.3	S 17 41.0	
Ankaa	353 06.3	S 42 09.6	Acrux	173 00.2	S 63 14.5	
Schedir	349 29.9	N 56 40.8	Gacrux	171 51.6	S 57 15.3	
Diphda	348 46.5	S 17 50.6	Alioth	166 13.1	N 55 49.3	
Achernar	335 19.3	S 57 06.1	Spica	158 22.0	S 11 17.6	
Hamal	327 50.4	N 23 35.2	Alkaid	152 51.9	N 49 11.3	
Polaris	313 28.9	N 89 22.1	Hadar	148 35.7	S 60 29.9	
Acamar	315 11.0	S 40 11.8	Menkent	147 56.9	S 36 29.5	
Menkar	314 05.3	N 04 11.6	Arcturus	145 47.2	N 19 03.9	
Mirfak	308 27.2	N 49 57.1	Rigel Kentaurus	139 37.0	S 60 56.8	
Aldebaran	290 38.9	N 16 33.8	Zubenelgenubi	136 55.5	S 16 08.8	
Capella	280 21.0	N 46 01.5	Kocab	137 20.5	N 74 03.1	
Rigel	281 03.3	S 08 10.1	Alphecca	126 03.5	N 26 37.9	
Bellatrix	278 22.2	N 06 22.5	Antares	112 15.3	S 26 29.4	
Elnath	278 01.1	N 28 37.8	Atria	107 09.1	S 69 04.6	
Alnilam	275 37.1	S 01 10.9	Sabik	102 02.2	S 15 45.4	
Betelgeuze	270 51.5	N 07 24.8	Shaula	96 09.6	S 37 07.4	
Canopus	263 52.3	S 52 42.2	Rasalhague	95 58.1	N 12 32.7	
Sirius	258 25.6	S 16 44.3	Etamin	90 41.9	N 51 29.4	
Adhara	255 05.5	S 29 00.1	Kaus Australis	83 31.7	S 34 22.4	
Castor	245 56.4	N 31 49.9	Vega	80 32.8	N 38 48.6	
Procyon	244 50.1	N 05 10.1	Nunki	75 46.9	S 26 15.9	
Pollux	243 16.4	N 27 57.9	Albireo	67 03.4	N 28 01.0	
Avior	234 14.9	S 59 35.2	Altair	61 59.4	N 08 56.2	
Suhail	222 46.2	S 43 31.9	Peacock	53 04.4	S 56 39.2	
Miaplacidus	221 38.8	S 69 49.1	Deneb	49 25.1	N 45 22.6	
Alphard	217 47.5	S 08 46.1	Enif	33 38.0	N 09 59.7	
Regulus	207 34.0	N 11 50.6	Alnair	27 31.8	S 46 50.1	
Dubhe	193 40.8	N 61 36.7	Formalhaut	15 13.7	S 29 29.0	
Denebola	182 24.5	N 14 25.9	Markab	13 29.0	N 15 20.8	

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357 33.9	N 29 14.2	Gienah	175 43.3	S 17 41.0	
Ankaa	353 06.2	S 42 09.7	Acrux	173 00.2	S 63 14.5	
Schedir	349 29.9	N 56 40.8	Gacrux	171 51.7	S 57 15.3	
Diphda	348 46.5	S 17 50.6	Alioth	166 13.1	N 55 49.3	
Achernar	335 19.2	S 57 06.1	Spica	158 22.0	S 11 17.6	
Hamal	327 50.3	N 23 35.2	Alkaid	152 51.9	N 49 11.2	
Polaris	313 26.9	N 89 22.1	Hadar	148 35.7	S 60 29.9	
Acamar	315 11.0	S 40 11.8	Menkent	147 57.0	S 36 29.5	
Menkar	314 05.3	N 04 11.6	Arcturus	145 47.2	N 19 03.9	
Mirfak	308 27.1	N 49 57.1	Rigel Kentaurus	139 37.0	S 60 56.8	
Aldebaran	290 38.9	N 16 33.8	Zubenelgenubi	136 55.6	S 16 08.8	
Capella	280 21.0	N 46 01.5	Kocab	137 20.5	N 74 03.1	
Rigel	281 03.2	S 08 10.1	Alphecca	126 03.5	N 26 37.9	
Bellatrix	278 22.2	N 06 22.5	Antares	112 15.4	S 26 29.4	
Elnath	278 01.1	N 28 37.8	Atria	107 09.1	S 69 04.6	
Alnilam	275 37.1	S 01 10.9	Sabik	102 02.2	S 15 45.4	
Betelgeuze	270 51.5	N 07 24.8	Shaula	96 09.6	S 37 07.4	
Canopus	263 52.2	S 52 42.2	Rasalhague	95 58.1	N 12 32.7	
Sirius	258 25.6	S 16 44.3	Etamin	90 41.9	N 51 29.4	
Adhara	255 05.5	S 29 00.1	Kaus Australis	83 31.7	S 34 22.4	
Castor	245 56.4	N 31 49.9	Vega	80 32.9	N 38 48.6	
Procyon	244 50.1	N 05 10.1	Nunki	75 47.0	S 26 15.9	
Pollux	243 16.4	N 27 57.9	Albireo	67 03.5	N 28 01.0	
Avior	234 14.9	S 59 35.2	Altair	61 59.5	N 08 56.2	
Suhail	222 46.2	S 43 31.9	Peacock	53 04.5	S 56 39.2	
Miaplacidus	221 38.7	S 69 49.1	Deneb	49 25.1	N 45 22.6	
Alphard	217 47.4	S 08 46.0	Enif	33 38.0	N 09 59.7	
Regulus	207 34.0	N 11 50.6	Alnair	27 31.8	S 46 50.1	
Dubhe	193 40.8	N 61 36.7	Formalhaut	15 13.7	S 29 29.0	
Denebola	182 24.5	N 14 25.8	Markab	13 29.0	N 15 20.8	

## 2025 - First Point of Aries / Selected Stars

## 2025 - First Point of Aries / Selected Stars

UT	day 291 of 365		day 292 of 365		day 293 of 365		day 294 of 365		day 295 of 365		UT	
	<b>October 18</b>		<b>October 19</b>		<b>October 20</b>		<b>October 21</b>		<b>October 22</b>			
	GHA	ddGHA										
00	26	44.3	+02.4	27	43.4	+02.5	28	42.6	+02.4	29	41.7	+02.5
01	41	46.7	+02.5	42	45.9	+02.5	43	45.0	+02.5	44	44.2	+02.4
02	56	49.2	+02.5	57	48.4	+02.4	58	47.5	+02.5	59	46.6	+02.5
03	71	51.7	+02.4	72	50.8	+02.5	73	50.0	+02.4	74	49.1	+02.5
04	86	54.1	+02.5	87	53.3	+02.4	88	52.4	+02.5	89	51.6	+02.4
05	101	56.6	+02.5	102	55.7	+02.5	103	54.9	+02.4	104	54.0	+02.5
06	116	59.1	+02.4	117	58.2	+02.5	118	57.3	+02.5	119	56.5	+02.4
07	132	61.5	+02.5	133	60.7	+02.4	133	59.8	+02.5	134	58.9	+02.5
08	147	64.0	+02.5	148	63.1	+02.5	149	62.3	+02.4	150	61.4	+02.5
09	162	66.5	+02.4	163	65.6	+02.5	164	64.7	+02.5	165	63.9	+02.4
10	177	68.9	+02.5	178	68.1	+02.4	179	67.2	+02.5	180	66.3	+02.5
11	192	71.4	+02.5	193	70.5	+02.5	194	69.7	+02.4	195	68.8	+02.5
12	207	73.9	+02.4	208	73.0	+02.5	209	72.1	+02.5	210	71.3	+02.4
13	222	76.3	+02.5	223	75.5	+02.4	224	74.6	+02.5	225	73.7	+02.5
14	237	78.8	+02.4	238	77.9	+02.5	239	77.1	+02.4	240	76.2	+02.5
15	252	81.2	+02.5	253	80.4	+02.4	254	79.5	+02.5	255	78.7	+02.5
16	267	83.7	+02.5	268	82.8	+02.5	269	82.0	+02.4	270	81.1	+02.5
17	282	86.2	+02.4	283	85.3	+02.5	284	84.4	+02.5	285	83.6	+02.4
18	297	88.6	+02.5	298	87.8	+02.4	299	86.9	+02.5	300	86.0	+02.5
19	312	91.1	+02.5	313	90.2	+02.5	314	89.4	+02.4	315	88.5	+02.5
20	327	93.6	+02.4	328	92.7	+02.5	329	91.8	+02.5	330	91.0	+02.4
21	342	96.0	+02.5	343	95.2	+02.4	344	94.3	+02.5	345	93.4	+02.5
22	357	98.5	+02.5	358	97.6	+02.5	359	96.8	+02.4	360	96.0	+02.5
23	12	41.0	+02.4	13	40.1	+02.5	14	39.2	+02.5	15	38.4	+02.4

UT	day 276 of 365		day 277 of 365		day 278 of 365		day 279 of 365		day 280 of 365		UT	
	<b>October 3</b>		<b>October 4</b>		<b>October 5</b>		<b>October 6</b>		<b>October 7</b>			
	GHA	ddGHA										
00	11	57.2	+02.5	12	56.3	+02.5	13	55.5	+02.4	14	54.6	+02.5
01	26	59.7	+02.4	27	58.8	+02.5	28	57.9	+02.5	29	57.1	+02.4
02	42	62.1	+02.5	43	61.3	+02.4	44	60.4	+02.5	45	59.5	+02.4
03	57	64.6	+02.5	58	63.7	+02.5	59	62.9	+02.4	60	62.0	+02.5
04	72	67.1	+02.4	73	66.2	+02.5	74	65.3	+02.5	75	64.5	+02.4
05	87	70.9	+02.5	88	70.8	+02.4	89	70.8	+02.5	90	69.9	+02.5
06	102	72.0	+02.5	103	71.1	+02.5	104	70.3	+02.4	105	69.4	+02.5
07	117	74.5	+02.4	118	73.6	+02.5	119	72.7	+02.5	120	71.9	+02.5
08	132	76.9	+02.5	133	76.1	+02.4	134	75.2	+02.5	135	74.3	+02.4
09	147	79.4	+02.4	148	78.5	+02.5	149	77.7	+02.4	150	76.8	+02.5
10	162	81.8	+02.5	163	81.0	+02.4	164	80.1	+02.5	165	79.3	+02.4
11	177	84.3	+02.5	178	83.4	+02.5	179	82.6	+02.5	180	81.7	+02.4
12	192	86.8	+02.4	193	85.9	+02.5	194	85.1	+02.4	195	84.2	+02.5
13	207	89.2	+02.5	208	88.4	+02.4	209	87.5	+02.5	210	86.7	+02.4
14	222	91.7	+02.5	223	90.8	+02.5	224	90.0	+02.4	225	89.1	+02.4
15	237	94.2	+02.4	238	93.3	+02.5	239	92.4	+02.5	240	91.6	+02.4
16	252	96.6	+02.5	253	95.8	+02.4	254	94.9	+02.5	255	94.0	+02.4
17	267	99.1	+02.5	268	98.2	+02.5	269	97.4	+02.4	270	96.5	+02.5
18	282	101.6	+02.4	283	100.7	+02.5	284	99.8	+02.5	285	99.0	+02.4
19	297	104.0	+02.5	298	103.1	+02.4	299	102.2	+02.5	300	101.4	+02.5
20	312	106.5	+02.5	313	105.6	+02.5	314	104.8	+02.4	315	103.9	+02.5
21	327	109.0	+02.4	328	108.1	+02.5	329	107.2	+02.5	330	106.4	+02.4
22	342	111.4	+02.5	343	110.5	+02.4	344	109.7	+02.5	345	108.8	+02.4
23	357	113.9	+02.4	358	113.0	+02.5	359	112.1	+02.4	360	111.3	+02.5

	SHA	Dec		SHA	Dec		
	° ,	° ,		° ,	° ,		
Alpheratz	357	33.9	N 29 14.2	Gienah	175	43.2	S 17 41.0
Ankaa	353	06.2	S 42 09.8	Acrux	173	00.1	S 63 14.4
Schedir	349	29.8	N 56 40.9	Gacrux	171	51.6	S 57 15.2
Diphda	348	46.4	S 17 50.6	Alioth	166	13.1	N 55 49.2
Achernar	335	19.2	S 57 06.2	Spica	158	22.0	S 11 17.6
Hamal	327	50.2	N 23 35.3	Alkaid	152	51.9	N 49 11.1
Polaris	313	17.7	N 89 22.3	Hadar	148	35.8	S 60 29.8
Acamar	315	10.8	S 40 11.9	Menket	147	57.0	S 36 29.5
Menkar	314	05.2	N 04 11.6	Arcturus	145	47.2	N 19 03.8
Mirfak	308	26.9	N 49 57.2	Rigel Kentaurus	139	37.1	S 60 56.8
Aldebaran	290	38.7	N 16 33.8	Zubenelgenubi	136	55.6	S 16 08.8
Capella	280	20.7	N 46 01.5	Kocab	137	20.7	N 74 03.1
Rigel	281	03.1	S 08 10.1	Alphecca	126	03.5	N 26 37.9
Bellatrix	278	22.0	N 06 22.5	Antares	112	15.5	S 26 29.4
Elnath	278	00.9	N 28 37.8	Atria	107	09.2	S 69 04.6
Alnilam	275	36.9	S 01 11.0	Sabik	102	02.2	S 15 45.4
Betelgeuze	270	51.3	N 07 24.8	Shaula	96	09.7	S 37 07.4
Canopus	263	51.9	S 52 42.2	Canopus	95	58.1	N 12 32.7
Sirius	258	25.4	S 16 44.3	Etamin	90	42.0	N 51 29.4
Adhara	255	05.3	S 29 00.1	Kaus Australis	83	31.7	S 34 22.4
Castor	245	56.2	N 31 49.9	Vega	80	32.9	N 38 48.6
Procyon	244	49.9	N 05 10.1	Nunki	75	47.0	S 26 15.9
Pollux	243	16.2	N 27 57.8	Albireo	67	03.5	N 28 01.0
Avior	234	14.6	S 59 35.2	Altair	61	59.5	N 08 56.2
Suhail	222	46.0	S 43 31.9	Peacock	53	04.5	S 56 39.2
Miplacidus	221	38.4	S 69 49.1	Deneb	49	25.2	N 45 22.6
Alphard	217	47.3	S 08 46.1	Enif	33	38.0	N 09 59.8
Regulus	207	33.8	N 11 50.5	Alnair	27	31.8	S 46 50.2
Dubhe	193	40.6	N 61 36.6	Formalhaut	15	13.7	S 29 29.0
Denebola	182	24.4	N 14 25.8	Markab	13	24.5	N 15 20.8

	SHA	Dec		SHA	Dec		
	° ,	° ,		° ,	° ,		
Alpheratz	357	33.9	N 29 14.2	Gienah	175	43.2	S 17 41.0
Ankaa	353	06.2	S 42 09.7	Acrux	173	00.2	S 63 14.4
Schedir	349	29.9	N 56 40.8	Gacrux	171	51.6	S 57 15.3
Diphda	348	46.4	S 17 50.6	Alioth	166	13.1	N 55 49.3
Achernar	335	19.2	S 57 06.2	Spica	158	22.0	S 11 17.6
Hamal	327	50.3	N 23 35.2	Alkaid	152	51.9	N 49 11.2
Polaris	313	22.7	N 89 22				

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# 2025 - First Point of Aries / Selected Stars

UT	day 281 of 365		day 282 of 365		day 283 of 365		day 284 of 365		day 285 of 365		UT
	October 8	GHA ddGHA	October 9	GHA ddGHA	October 10	GHA ddGHA	October 11	GHA ddGHA	October 12	GHA ddGHA	
00	16 52.9	+02.5	17 52.0	+02.5	18 51.2	+02.4	19 50.3	+02.5	20 49.5	+02.4	00
01	31 55.4	+02.4	32 54.5	+02.5	33 53.6	+02.5	34 52.8	+02.4	35 51.9	+02.5	01
02	46 57.8	+02.5	47 57.0	+02.4	48 56.1	+02.5	49 55.2	+02.5	50 54.4	+02.4	02
03	62 00.3	+02.4	62 59.4	+02.5	63 58.6	+02.4	64 57.7	+02.5	65 56.8	+02.5	03
04	77 02.7	+02.5	78 01.9	+02.5	79 01.0	+02.5	80 00.2	+02.4	80 59.3	+02.5	04
05	92 05.2	+02.5	93 04.4	+02.4	94 03.5	+02.5	95 02.6	+02.5	96 01.8	+02.4	05
06	107 07.7	+02.4	108 06.8	+02.5	109 06.0	+02.4	110 05.1	+02.5	111 04.2	+02.5	06
07	122 10.1	+02.5	123 09.3	+02.4	124 08.4	+02.5	125 07.6	+02.4	126 06.7	+02.5	07
08	137 12.6	+02.5	138 11.7	+02.5	139 10.9	+02.4	140 10.0	+02.5	141 09.2	+02.4	08
09	152 15.1	+02.4	153 14.2	+02.5	154 13.3	+02.5	155 12.5	+02.5	156 11.6	+02.5	09
10	167 17.5	+02.5	168 16.7	+02.4	169 15.8	+02.5	170 15.0	+02.4	171 14.1	+02.5	10
11	182 20.0	+02.5	183 19.1	+02.5	184 18.3	+02.4	185 17.4	+02.5	186 16.6	+02.4	11
12	197 22.5	+02.4	198 21.6	+02.5	199 20.7	+02.5	200 19.9	+02.4	201 19.0	+02.5	12
13	212 24.9	+02.5	213 24.1	+02.4	214 23.2	+02.5	215 22.3	+02.5	216 21.5	+02.5	13
14	227 27.4	+02.5	228 26.5	+02.5	229 25.7	+02.4	230 24.8	+02.5	231 24.0	+02.4	14
15	242 29.9	+02.4	243 29.0	+02.5	244 28.1	+02.5	245 27.3	+02.4	246 26.4	+02.5	15
16	257 32.3	+02.5	258 31.5	+02.4	259 30.6	+02.5	260 29.7	+02.5	261 28.9	+02.4	16
17	272 34.8	+02.4	273 33.9	+02.5	274 33.1	+02.4	275 32.2	+02.5	276 31.3	+02.5	17
18	287 37.2	+02.5	288 36.4	+02.4	289 35.5	+02.5	290 34.7	+02.4	291 33.8	+02.5	18
19	302 39.7	+02.5	303 38.8	+02.5	304 38.0	+02.5	305 37.1	+02.5	306 36.3	+02.4	19
20	317 42.2	+02.4	318 41.3	+02.5	319 40.5	+02.4	320 39.6	+02.5	321 38.7	+02.5	20
21	332 44.6	+02.5	333 43.8	+02.4	334 42.9	+02.5	335 42.1	+02.4	336 41.2	+02.5	21
22	347 47.1	+02.5	348 46.2	+02.5	349 45.4	+02.4	350 44.5	+02.5	351 43.7	+02.4	22
23	2 49.6	+02.4	3 48.7	+02.5	4 47.8	+02.5	5 47.0	+02.5	6 46.1	+02.5	23

UT	day 286 of 365		day 287 of 365		day 288 of 365		day 289 of 365		day 290 of 365		UT
	October 13	GHA ddGHA	October 14	GHA ddGHA	October 15	GHA ddGHA	October 16	GHA ddGHA	October 17	GHA ddGHA	
00	21 48.6	+02.5	22 47.7	+02.5	23 46.9	+02.4	24 46.0	+02.5	25 45.1	+02.5	00
01	36 51.1	+02.4	37 50.2	+02.5	38 49.3	+02.5	39 48.5	+02.4	40 47.6	+02.5	01
02	51 53.5	+02.5	52 52.7	+02.4	53 51.8	+02.5	54 50.9	+02.5	55 50.1	+02.4	02
03	66 56.0	+02.4	67 55.1	+02.5	68 54.3	+02.4	69 53.4	+02.5	70 52.5	+02.5	03
04	81 58.4	+02.5	82 57.6	+02.5	83 56.7	+02.5	84 55.9	+02.4	85 55.0	+02.5	04
05	97 00.9	+02.5	98 00.1	+02.4	98 59.2	+02.5	99 58.3	+02.5	100 57.5	+02.4	05
06	112 03.4	+02.4	113 02.5	+02.5	114 01.7	+02.4	115 00.8	+02.5	115 59.9	+02.5	06
07	127 05.8	+02.5	128 05.0	+02.4	129 04.1	+02.5	130 03.3	+02.4	131 02.4	+02.5	07
08	142 08.3	+02.5	143 07.4	+02.5	144 06.6	+02.4	145 05.7	+02.5	146 04.9	+02.4	08
09	157 10.8	+02.4	158 09.9	+02.5	159 09.0	+02.5	160 08.2	+02.5	161 07.3	+02.5	09
10	172 13.2	+02.5	173 12.4	+02.4	174 11.5	+02.5	175 10.7	+02.4	176 09.8	+02.5	10
11	187 15.7	+02.5	188 14.8	+02.5	189 14.0	+02.4	190 13.1	+02.5	191 12.3	+02.4	11
12	202 18.2	+02.4	203 17.3	+02.5	204 16.4	+02.5	205 15.6	+02.4	206 14.7	+02.5	12
13	217 20.6	+02.5	218 19.8	+02.4	219 18.9	+02.5	220 18.0	+02.5	221 17.2	+02.4	13
14	232 23.1	+02.5	233 22.2	+02.5	234 21.4	+02.4	235 20.5	+02.5	236 19.6	+02.5	14
15	247 25.6	+02.4	248 24.7	+02.5	249 23.8	+02.5	250 23.0	+02.4	251 22.1	+02.5	15
16	262 28.0	+02.5	263 27.2	+02.4	264 26.3	+02.5	265 25.4	+02.5	266 24.6	+02.4	16
17	277 30.5	+02.4	278 29.6	+02.5	279 28.8	+02.4	280 27.9	+02.5	281 27.0	+02.5	17
18	292 32.9	+02.5	293 32.1	+02.5	294 31.2	+02.5	295 30.4	+02.4	296 29.5	+02.5	18
19	307 35.4	+02.5	308 34.6	+02.4	309 33.7	+02.5	310 32.8	+02.5	311 32.0	+02.4	19
20	322 37.9	+02.4	323 37.0	+02.5	324 36.2	+02.4	325 35.3	+02.5	326 34.4	+02.5	20
21	337 40.3	+02.5	338 39.5	+02.4	339 38.6	+02.5	340 37.8	+02.4	341 36.9	+02.5	21
22	352 42.8	+02.5	353 41.9	+02.5	354 41.1	+02.4	355 40.2	+02.5	356 39.4	+02.4	22
23	7 45.3	+02.4	8 44.4	+02.5	9 43.5	+02.5	10 42.7	+02.4	11 41.8	+02.5	23

	SHA	Dec		SHA	Dec		SHA	Dec		SHA	Dec	
	° ,	° ,		° ,	° ,		° ,	° ,		° ,	° ,	
Alpheratz	357 33.9	N 29 14.2	Gienah	175 43.2	S 17 41.0					Gienah	175 43.2	S 17 41.0
Ankaa	353 06.2	S 42 09.7	Acrux	173 00.1	S 63 14.4					Acrux	173 00.1	S 63 14.4
Schedir	349 29.9	N 56 40.9	Gacrux	171 51.6	S 57 15.3					Gacrux	171 51.6	S 57 15.2
Diphda	348 46.4	S 17 50.6	Alioth	166 13.1	N 55 49.2					Alioth	166 13.1	N 55 49.2
Achernar	335 19.2	S 57 06.2	Spica	158 22.0	S 11 17.6					Spica	158 22.0	S 11 17.6
Hamal	327 50.3	N 23 35.2	Alkaid	152 51.9	N 49 11.2					Alkaid	152 51.9	N 49 11.1
Polaris	313 21.1	N 89 22.2	Hadar	148 35.8	S 60 29.8					Hadar	148 35.8	S 60 29.8
Acamar	315 10.9	S 40 11.8	Menket	147 57.0	S 36 29.5					Menket	147 57.0	S 36 29.5
Menkar	314 05.2	N 04 11.6	Arcturus	145 47.2	N 19 03.8					Arcturus	145 47.2	N 19 03.8
Mirfak	308 27.0	N 49 57.1	Rigel Kentaurus	139 37.1	S 60 56.8					Rigel Kentaurus	139 37.1	S 60 56.7
Aldebaran	290 38.8	N 16 33.8	Zubenelgenubi	136 55.6	S 16 08.8					Zubenelgenubi	136 55.6	S 16 08.8
Capella	280 20.8	N 46 01.5	Kocab	137 20.7	N 74 03.1					Kocab	137 20.8	N 74 03.0
Rigel	281 03.1	S 08 10.1	Alphecca	126 03.6	N 26 37.9					Alphecca	126 03.6	N 26 37.8
Bellatrix	278 22.1	N 06 22.5	Antares	112 15.4	S 26 29.3					Antares	112 15.4	S 26 29.3
Elnath	278 01.0	N 28 37.8	Atria	107 09.3	S 69 04.6					Atria	107 09.3	S 69 04.6
Alnilam	275 37.0	S 01 11.0	Sabik	102 02.3	S 15 45.4					Sabik	102 02.3	S 15 45.4
Betelgeuze	270 51.3	N 07 24.8	Shaula	96 09.7	S 37 07.4					Shaula	96 09.7	S 37 07.4
Canopus	263 52.1	S 52 42.2	Rasalhague	95 58.1	N 12 32.7					Rasalhague	95 58.2	N 12 32.7
Sirius	258 25.5	S 16 44.3	Etamin	90 42.0	N 51 29.4					Etamin	90 42.1	N 51 29.4
Adhara	255 05.4	S 29 00.1	Kaus Australis	83 31.8	S 34 22.4					Kaus Australis	83 31.8	S 34 22.4
Castor	245 56.3	N 31 49.9	Vega	80 33.0	N 38 48.6					Vega	80 33.0	N 38 48.6
Procyon	244 50.0	N 05 10.1	Nunki	75 47.0	S 26 15.9					Nunki	75 47.0	S 26 15.9
Pollux	243 16.3	N 27 57.8	Albireo	67 03.5	N 28 01.0					Albireo	67 03.6	N 28 01.0
Avior	234 14.7	S 59 35.2	Altair	61 59.5	N 08 56.2					Altair	61 59.5	N 08 56.2
Suhail	222 46.1	S 43 31.9	Peacock	53 04.6	S 56 39.3					Peacock	53 04.6	S 56 39.3

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	day 311 of 365	day 312 of 365	day 313 of 365	day 314 of 365	day 315 of 365	
UT	GHA ddGHA	UT				
00	46 27.1 +02.4	47 26.2 +02.5	48 25.3 +02.5	49 24.5 +02.4	50 23.6 +02.5	00
01	61 29.5 +02.5	62 28.7 +02.4	63 27.8 +02.5	64 26.9 +02.5	65 26.1 +02.4	01
02	76 32.0 +02.4	77 31.1 +02.5	78 30.3 +02.4	79 29.4 +02.5	80 28.5 +02.5	02
03	91 34.4 +02.5	92 33.6 +02.5	93 32.7 +02.5	94 31.9 +02.4	95 31.0 +02.5	03
04	106 36.9 +02.5	107 36.1 +02.4	108 35.2 +02.5	109 34.3 +02.5	110 33.5 +02.4	04
05	121 39.4 +02.4	122 38.5 +02.5	123 37.7 +02.4	124 36.8 +02.5	125 35.9 +02.5	05
06	136 41.8 +02.5	137 41.0 +02.4	138 40.1 +02.5	139 39.3 +02.4	140 38.4 +02.5	06
07	151 44.3 +02.5	152 43.4 +02.5	153 42.6 +02.5	154 41.7 +02.5	155 40.9 +02.4	07
08	166 46.8 +02.4	167 45.9 +02.5	168 45.1 +02.4	169 44.2 +02.5	170 43.3 +02.5	08
09	181 49.2 +02.5	182 48.4 +02.4	183 47.5 +02.5	184 46.7 +02.4	185 45.8 +02.5	09
10	196 51.7 +02.5	197 50.8 +02.5	198 50.0 +02.4	199 49.1 +02.5	200 48.3 +02.4	10
11	211 54.2 +02.4	212 53.3 +02.5	213 52.4 +02.5	214 51.6 +02.5	215 50.7 +02.5	11
12	226 56.6 +02.5	227 55.8 +02.4	228 54.9 +02.5	229 54.1 +02.4	230 53.2 +02.5	12
13	241 59.1 +02.5	242 58.2 +02.5	243 57.4 +02.4	244 56.5 +02.5	245 55.7 +02.4	13
14	257 01.6 +02.4	258 00.7 +02.5	259 59.8 +02.5	260 58.1 +02.5	261 57.3 +02.4	14
15	272 04.0 +02.5	273 03.2 +02.4	274 02.3 +02.5	275 01.4 +02.5	276 00.6 +02.4	15
16	287 06.5 +02.4	288 05.6 +02.5	289 04.8 +02.4	290 03.9 +02.5	291 03.0 +02.5	16
17	302 08.9 +02.5	303 08.1 +02.5	304 07.2 +02.5	305 06.4 +02.4	306 05.5 +02.5	17
18	317 11.4 +02.4	318 10.6 +02.4	319 09.7 +02.5	320 08.8 +02.5	321 08.0 +02.4	18
19	332 13.9 +02.4	333 13.0 +02.5	334 12.2 +02.4	335 11.3 +02.5	336 10.4 +02.5	19
20	347 16.3 +02.5	348 15.5 +02.4	349 14.6 +02.5	350 13.8 +02.4	351 12.9 +02.5	20
21	2 18.8 +02.5	3 17.9 +02.5	4 17.1 +02.5	5 16.2 +02.5	6 15.4 +02.4	21
22	17 21.3 +02.4	18 20.4 +02.5	19 19.6 +02.4	20 18.7 +02.5	21 17.8 +02.5	22
23	32 23.7 +02.5	33 22.9 +02.4	34 22.0 +02.5	35 21.2 +02.4	36 20.3 +02.5	23

	day 296 of 365	day 297 of 365	day 298 of 365	day 299 of 365	day 300 of 365
UT	GHA ddGHA	GHA ddGHA	GHA ddGHA	GHA ddGHA	UT
00	31 40.0 +02.4	32 39.1 +02.5	33 38.3 +02.4	34 37.4 +02.5	35 36.5 +02.5
01	46 42.4 +02.5	47 41.6 +02.4	48 40.7 +02.5	49 39.9 +02.4	50 39.0 +02.5
02	61 44.9 +02.5	62 44.0 +02.5	63 43.2 +02.4	64 42.3 +02.5	65 41.5 +02.4
03	76 47.4 +02.4	77 46.5 +02.5	78 45.6 +02.5	79 44.8 +02.4	80 43.9 +02.5
04	91 49.8 +02.5	92 49.0 +02.4	93 48.1 +02.5	94 47.2 +02.5	95 46.4 +02.5
05	106 52.3 +02.5	107 51.4 +02.5	108 50.6 +02.4	109 49.7 +02.5	110 48.9 +02.4
06	121 54.8 +02.4	122 53.9 +02.5	123 53.0 +02.5	124 52.2 +02.4	125 51.3 +02.5
07	136 57.2 +02.5	137 56.4 +02.4	138 55.5 +02.5	139 54.6 +02.5	140 53.8 +02.4
08	151 59.7 +02.4	152 58.8 +02.5	153 58.0 +02.4	154 57.1 +02.5	155 56.2 +02.5
09	167 02.1 +02.5	168 01.3 +02.5	169 00.4 +02.4	170 58.7 +02.5	170 58.7 +02.5
10	182 04.6 +02.5	183 03.8 +02.4	184 02.9 +02.5	185 02.0 +02.5	186 01.2 +02.4
11	197 07.1 +02.4	198 06.2 +02.5	199 05.4 +02.4	200 04.5 +02.5	201 03.6 +02.5
12	212 09.5 +02.5	213 08.7 +02.4	214 07.8 +02.5	215 07.0 +02.4	216 06.1 +02.5
13	227 12.0 +02.5	228 11.1 +02.5	229 10.3 +02.4	230 09.4 +02.5	231 08.6 +02.4
14	242 14.5 +02.4	243 13.6 +02.5	244 12.7 +02.5	245 11.9 +02.5	246 11.0 +02.5
15	257 16.9 +02.5	258 16.1 +02.4	259 15.2 +02.5	260 14.4 +02.4	261 13.5 +02.5
16	272 19.4 +02.5	273 18.5 +02.5	274 17.7 +02.4	275 16.8 +02.5	276 16.0 +02.4
17	287 21.9 +02.4	288 21.0 +02.5	289 20.1 +02.5	290 19.3 +02.4	291 18.4 +02.5
18	302 24.3 +02.5	303 23.5 +02.4	304 22.6 +02.5	305 21.7 +02.5	306 20.9 +02.4
19	317 26.8 +02.5	318 25.9 +02.5	319 25.1 +02.4	320 24.2 +02.5	321 23.3 +02.5
20	332 29.3 +02.4	333 28.4 +02.5	334 27.5 +02.5	335 26.7 +02.4	336 25.8 +02.5
21	347 31.7 +02.5	348 30.9 +02.4	349 30.0 +02.5	350 29.1 +02.5	351 28.3 +02.4
22	2 34.2 +02.4	3 33.3 +02.5	4 32.5 +02.4	5 31.6 +02.5	6 30.7 +02.5
23	17 36.6 +02.5	18 35.8 +02.5	19 34.9 +02.5	20 34.1 +02.4	21 33.2 +02.5

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357 33.9	N 29 14.3	Gienah	175 43.1	S 17 41.0	
Ankaa	353 06.3	S 42 09.8	Acrux	172 59.9	S 63 14.3	
Schedir	349 29.9	N 56 41.0	Gacrux	171 51.4	S 57 15.2	
Diphda	348 46.4	S 17 50.6	Alioth	166 13.0	N 55 49.0	
Achernar	335 19.2	S 57 06.3	Spica	158 21.9	S 11 17.7	
Hamal	327 50.2	N 23 35.3	Alkaid	152 51.9	N 49 11.0	
Polaris	313 13.4	N 89 22.4	Hadar	148 35.7	S 60 29.7	
Acamar	315 10.8	S 40 12.0	Menkent	147 56.9	S 36 29.4	
Menkar	314 05.1	N 04 11.6	Arcturus	145 47.2	N 19 03.7	
Mirfak	308 26.8	N 49 57.2	Rigel Kentaurus	139 37.1	S 60 56.7	
Aldebaran	290 38.6	N 16 33.8	Zubenelgenubi	136 55.6	S 16 08.8	
Capella	280 20.6	N 46 01.6	Kocab	137 20.9	N 74 02.9	
Rigel	281 02.9	S 08 10.2	Alphecca	126 03.6	N 26 37.8	
Bellatrix	278 21.9	N 06 22.5	Antares	112 15.5	S 26 29.3	
Elnath	278 00.7	N 28 37.8	Atria	107 09.5	S 69 04.5	
Alnilam	275 36.8	S 01 11.0	Sabik	102 02.3	S 15 45.4	
Betelgeuze	270 51.1	N 07 24.8	Shaula	96 09.8	S 37 07.4	
Canopus	263 51.8	S 52 42.3	Rasalhague	95 58.2	N 12 32.7	
Sirius	258 25.2	S 16 44.4	Etamin	90 42.3	N 51 29.3	
Adhara	255 05.1	S 29 00.2	Kaus Australis	83 31.9	S 34 22.4	
Castor	245 56.0	N 31 49.9	Vega	80 33.1	N 38 48.6	
Procyon	244 49.8	N 05 10.0	Nunki	75 47.1	S 26 15.9	
Pollux	243 16.0	N 27 57.8	Albireo	67 03.7	N 28 01.0	
Avior	234 14.3	S 59 35.2	Altair	61 59.6	N 08 56.2	
Suhail	222 45.8	S 43 31.9	Peacock	53 04.8	S 56 39.3	
Miaplacidus	221 38.0	S 69 49.1	Deneb	49 25.4	N 45 22.6	
Alphard	217 47.1	S 08 46.1	Enif	33 38.1	N 09 59.8	
Regulus	207 33.7	N 11 50.5	Alnair	27 32.0	S 46 50.2	
Dubhe	193 40.4	N 61 36.5	Formalhaut	15 13.8	S 29 29.1	
Denebola	182 24.3	N 14 25.7	Markab	13 29.1	N 15 20.9	

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
UT	GHA ddGHA	GHA ddGHA	UT	GHA ddGHA	GHA ddGHA	UT
Alpheratz	357 33.9	N 29 14.2	Gienah	175 43.2	S 17 41.0	
Ankaa	353 06.2	S 42 09.8	Acrux	173 00.1	S 63 14.4	
Schedir	349 29.8	N 56 40.9	Gacrux	171 51.6	S 57 15.2	
Diphda	348 46.4	S 17 50.6	Alioth	166 13.0	N 55 49.1	
Achernar	335 19.2	S 57 06.3	Spica	158 22.0	S 11 17.6	
Hamal	327 50.2	N 23 35.3	Alkaid	152 51.9	N 49 11.1	
Polaris	313 16.4	N 89 22.3	Hadar	148 35.8	S 60 29.8	
Acamar	315 10.8	S 40 11.9	Menkent	147 57.0	S 36 29.4	
Menkar	314 05.2	N 04 11.6	Arcturus	145 47.2	N 19 03.8	
Mirfak	308 26.9	N 49 57.2	Rigel Kentaurus	139 37.1	S 60 56.7	
Aldebaran	290 38.7	N 16 33.8	Zubenelgenubi	136 55.6	S 16 08.8	
Capella	280 20.7	N 46 01.5	Kocab	137 20.9	N 74 03.0	
Rigel	281 03.0	S 08 10.1	Alphecca	126 03.6	N 26 37.8	
Bellatrix	278 22.0	N 06 22.5	Antares	112 15.5	S 26 29.3	
Elnath	278 00.8	N 28 37.8	Atria	107 09.4	S 69 04.6	
Alnilam	275 36.9	S 01 11.0	Sabik	102 02.3	S 15 45.4	
Betelgeuze	270 51.2	N 07 24.8	Shaula	96 09.8	S 37 07.4	
Canopus	263 51.9	S 52 42.2	Rasalhague	95 58.2	N 12 32.7	
Sirius	258 25.4	S 16 44.3	Etamin	90 42.2	N 51 29.3	
Adhara	255 05.3	S 29 00.1	Kaus Australis	83 31.8	S 34 22.4	
Castor	245 56.1	N 31 49.9	Vega	80 33.1	N 38 48.6	
Procyon	244 49.9	N 05 10.1	Nunki	75 47.1	S 26 15.9	
Pollux	243 16.1	N 27 57.8	Albireo	67 03.6	N 28 01.0	
Avior	234 14.5	S 59 35.2	Altair	61 59.6	N 08 56.2	
Suhail	222 46.0	S 43 31.9	Peacock	53 04.7	S 56 39.3	
Miaplacidus	221 38.3	S 69 49.1	Deneb	49 25.3	N 45 22.6	
Alphard	217 47.2	S 08 46.1	Enif	33 38.1	N 09 59.8	
Regulus	207 33.8	N 11 50.5	Alnair	27 31.9	S 46 50.2	
Dubhe	193 40.6	N 61 36.5	Formalhaut</td			

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

	day 301 of 365	day 302 of 365	day 303 of 365	day 304 of 365	day 305 of 365			
UT	October 28	October 29	October 30	October 31	November 1	UT		
	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	UT	
00	36 35.7	+02.4	37 34.8	+02.5	38 33.9	+02.5	39 33.1	+02.5
01	51 38.1	+02.5	52 37.3	+02.4	53 36.4	+02.5	54 35.6	+02.4
02	66 40.6	+02.5	67 39.7	+02.5	68 38.9	+02.4	69 38.0	+02.5
03	81 43.1	+02.4	82 42.2	+02.5	83 41.3	+02.5	84 40.5	+02.4
04	96 45.5	+02.5	97 44.7	+02.4	98 43.8	+02.5	99 42.9	+02.5
05	111 48.0	+02.5	112 47.1	+02.5	113 46.3	+02.4	114 45.4	+02.5
06	126 50.5	+02.4	127 49.6	+02.5	128 48.7	+02.5	129 47.9	+02.4
07	141 52.9	+02.5	142 52.1	+02.4	143 51.2	+02.5	144 50.3	+02.5
08	156 55.4	+02.4	157 54.5	+02.5	158 53.7	+02.4	159 52.8	+02.5
09	171 57.8	+02.5	172 57.0	+02.5	173 56.1	+02.5	174 55.3	+02.4
10	187 00.3	+02.5	187 59.5	+02.4	188 58.6	+02.5	189 57.7	+02.5
11	202 02.8	+02.4	203 01.9	+02.5	204 01.1	+02.4	205 00.2	+02.5
12	217 05.2	+02.5	218 04.4	+02.4	219 03.5	+02.5	220 02.7	+02.4
13	232 07.7	+02.5	233 06.8	+02.5	234 06.0	+02.4	235 05.1	+02.5
14	247 10.2	+02.4	248 09.3	+02.5	249 08.4	+02.5	250 07.6	+02.4
15	262 12.6	+02.5	263 11.8	+02.4	264 10.9	+02.5	265 10.0	+02.5
16	277 15.1	+02.5	278 14.2	+02.5	279 13.4	+02.4	280 12.5	+02.5
17	292 17.6	+02.4	293 16.7	+02.5	294 15.8	+02.5	295 15.0	+02.4
18	307 20.0	+02.5	308 19.2	+02.4	309 18.3	+02.5	310 17.4	+02.5
19	322 22.5	+02.5	323 21.6	+02.5	324 20.8	+02.4	325 19.9	+02.5
20	337 25.0	+02.4	338 24.1	+02.5	339 23.2	+02.5	340 22.4	+02.4
21	352 27.4	+02.5	353 26.6	+02.4	354 25.7	+02.5	355 24.8	+02.5
22	7 29.9	+02.4	8 29.0	+02.5	9 28.2	+02.4	10 27.3	+02.5
23	22 32.3	+02.5	23 31.5	+02.4	24 30.6	+02.5	25 29.8	+02.4
	26 28.9	+02.5	27 28.0	+02.5	28 27.2	+02.4	29 26.3	+02.5

	day 306 of 365	day 307 of 365	day 308 of 365	day 309 of 365	day 310 of 365			
UT	November 2	November 3	November 4	November 5	November 6			
	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	UT	
00	41 31.4	+02.4	42 30.5	+02.5	43 29.6	+02.5	44 28.8	+02.4
01	56 33.8	+02.5	57 33.0	+02.4	58 32.1	+02.5	59 31.2	+02.5
02	71 36.3	+02.5	72 35.4	+02.5	73 34.6	+02.4	74 33.7	+02.5
03	86 38.8	+02.4	87 37.9	+02.5	88 37.0	+02.5	89 36.2	+02.4
04	101 41.2	+02.5	102 40.4	+02.4	103 39.5	+02.5	104 38.6	+02.5
05	116 43.7	+02.4	117 42.8	+02.5	118 42.0	+02.4	119 41.1	+02.5
06	131 46.1	+02.5	132 45.3	+02.4	133 44.4	+02.5	134 43.6	+02.4
07	146 48.6	+02.5	147 47.7	+02.5	148 46.9	+02.5	149 46.0	+02.5
08	161 51.1	+02.4	162 50.2	+02.5	163 49.4	+02.4	164 48.5	+02.5
09	176 53.5	+02.5	177 52.7	+02.4	178 51.8	+02.5	179 51.0	+02.5
10	191 56.0	+02.5	192 55.1	+02.5	193 54.3	+02.4	194 53.4	+02.5
11	206 58.5	+02.4	207 57.6	+02.5	208 56.7	+02.5	209 55.9	+02.4
12	222 00.9	+02.5	223 00.1	+02.4	223 59.2	+02.5	224 58.3	+02.5
13	237 03.4	+02.5	238 02.5	+02.5	239 01.7	+02.4	240 00.8	+02.5
14	252 05.9	+02.4	253 05.0	+02.5	254 04.1	+02.5	255 03.3	+02.4
15	267 08.3	+02.5	268 07.5	+02.4	269 06.6	+02.5	270 05.7	+02.5
16	282 10.8	+02.5	283 09.9	+02.5	284 09.1	+02.4	285 08.2	+02.5
17	297 13.3	+02.4	298 12.4	+02.5	299 11.5	+02.5	300 10.7	+02.4
18	312 15.7	+02.5	313 14.9	+02.4	314 14.0	+02.5	315 13.1	+02.5
19	327 18.2	+02.4	328 17.3	+02.5	329 16.5	+02.4	330 15.6	+02.5
20	342 20.6	+02.5	343 19.8	+02.4	344 18.9	+02.5	345 18.1	+02.4
21	357 23.1	+02.5	358 22.2	+02.5	359 21.4	+02.4	0 20.5	+02.5
22	12 25.6	+02.4	13 24.7	+02.5	14 23.8	+02.5	15 23.0	+02.5
23	27 28.0	+02.5	28 27.2	+02.4	29 26.3	+02.5	30 25.5	+02.4

	SHA	Dec		SHA	Dec	
	° ,	° ,		° ,	° ,	
Alpheratz	357 33.9	N 29 14.3	Gienah	175 43.2	S 17 41.0	
Ankaa	353 06.2	S 42 09.8	Acrux	173 00.0	S 63 14.3	
Schedir	349 29.8	N 56 41.0	Gacrux	171 51.5	S 57 15.2	
Diphda	348 46.4	S 17 50.6	Alioth	166 13.0	N 55 49.1	
Achernar	335 19.2	S 57 06.3	Spica	158 21.9	S 11 17.7	
Hamal	327 50.2	N 23 35.3	Alkaid	152 51.9	N 49 11.1	
Polaris	313 15.0	N 89 22.3	Hadar	148 35.7	S 60 29.8	
Acamar	315 10.8	S 40 11.9	Menkent	147 56.9	S 36 29.4	
Menkar	314 05.1	N 04 11.6	Arcturus	145 47.2	N 19 03.8	
Mirfak	308 26.9	N 49 57.2	Rigel Kentaurus	139 37.1	S 60 56.7	
Aldebaran	290 38.6	N 16 33.8	Zubenelgenubi	136 55.6	S 16 08.8	
Capella	280 20.6	N 46 01.5	Kocab	137 20.9	N 74 02.9	
Rigel	281 03.0	S 08 10.1	Alphecca	126 03.6	N 26 37.8	
Bellatrix	278 21.9	N 06 22.5	Antares	112 15.5	S 26 29.3	
Elnath	278 00.8	N 28 37.8	Atria	107 09.5	S 69 04.5	
Alnilam	275 36.9	S 01 11.0	Sabik	102 02.3	S 15 45.4	
Betelgeuze	270 51.2	N 07 24.8	Shaula	96 09.8	S 37 07.4	
Canopus	263 51.8	S 52 42.2	Rasalhague	95 58.2	N 12 32.7	
Sirius	258 25.3	S 16 44.4	Etamin	90 42.2	N 51 29.3	
Adhara	255 05.2	S 29 00.1	Kaus Australis	83 31.9	S 34 22.3	
Castor	245 56.1	N 31 49.9	Vega	80 33.1	N 38 48.5	
Procyon	244 49.8	N 05 10.0	Nunki	75 47.1	S 26 15.9	
Pollux	243 16.1	N 27 57.8	Albireo	67 03.6	N 28 01.0	
Avior	234 14.5	S 59 35.2	Altair	61 59.6	N 08 56.2	
Suhail	222 45.9	S 43 31.9	Peacock	53 04.7	S 56 39.3	
Miplacidus	221 38.2	S 69 49.1	Deneb	49 25.4	N 45 22.6	
Alphard	217 47.2	S 08 46.1	Enif	33 38.1	N 09 59.8	
Regulus	207 33.8	N 11 50.5	Alnair	27 32.0	S 46 50.2	
Dubhe	193 40.5	N 61 36.5	Formalhaut	15 13.7	S 29 29.1	
Denebola	182 24.4	N 14 25.7	Markab	13 29.1	N 15 20.9	

	SHA	Dec		SHA	Dec	
	° ,	° ,		° ,	° ,	
Alpheratz	357 33.9	N 29 14.3	Gienah	175 43.1	S 17 41.0	
Ankaa	353 06.2	S 42 09.8	Acrux	172 60.0	S 63 14.3	
Schedir	349 29.9	N 56 41.0	Gacrux	171 51.5	S 57 15.2	
Diphda	348 46.4	S 17 50.6	Alioth	166 13.0	N 55 49.1	
Achernar	335 19.2	S 57 06.3	Spica	158 21.9	S 11 17.7	
Hamal	327 50.2	N 23 35.3	Alkaid	152 51.9	N 49 11.0	
Polaris	313 14.3	N 89 22.4	Hadar	148 35.7	S 60 29.8	
Acamar	315 10.8	S 40 11.9	Menkent	147 56.9	S 36 29.4	
Menkar	314 05.1	N 04 11.6	Arcturus	145 47.2	N 19 03.8	
Mirfak	308 26.8	N 49 57.2	Rigel Kentaurus	139 37.1	S 60 56.7	
Aldebaran	290 38.6	N 16 33.8	Zubenelgenubi	136 55.6	S 16 08.8	
Capella	280 20.6	N 46 01.5	Kocab	137 20.9	N 74 02.9	
Rigel	281 03.0	S 08 10.1	Alphecca	126 03.6	N 26 37.8	
Bellatrix	278 21.9	N 06 22.5	Antares	112 15.5	S 26 29.3	
Elnath	278 00.8	N 28 37.8	Atria	107 09.5	S 69 04.5	
Alnilam	275 36.8	S 01 11.0	Sabik	102 02.3	S 15 45.4	
Betelgeuze	270 51.2	N 07 24.8	Shaula	96 09.8	S 37 07.4	
Canopus	263 51.8	S 52 42.2	Rasalhague	95 58.2	N 12 32.7	
Sirius	258 25.3	S 16 44.4	Etamin	90 42.2	N 51 29.3	
Adhara	255 05.2	S 29 00.1	Kaus Australis	83 31.9	S 34 22.3	
Castor	245 56.0	N 31 49.9	Vega	80 33.1	N 38 48.5	
Procyon	244 49.8	N 05 10.0	Nunki	75 47.1	S 26 15.9	
Pollux	243 16.0	N 27 57.8	Albireo	67 03.7	N 28 01.0	
Avior	234 14.4	S 59 35.2	Altair	61 59.6	N 08 56.2	
Suhail	222 45.9	S 43 31.9	Peacock	53 04.7	S 56 39.3	
Miplacidus	221 38.1	S 69 49.1	Deneb	49 25.4	N 45 22.6	
Alphard	217 47.2	S 08 46.1	Enif	33 38.1	N 09 59.8	
Regulus	207 33					

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

day 331 of 365		day 332 of 365		day 333 of 365		day 334 of 365		day 335 of 365		December 1	
UT	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	UT
00	66 09.8	+02.5	67 09.0	+02.5	68 08.1	+02.5	69 07.3	+02.4	70 06.4	+02.5	00
01	81 12.3	+02.5	82 11.5	+02.4	83 10.6	+02.5	84 09.7	+02.4	85 08.9	+02.4	01
02	96 14.8	+02.4	97 13.9	+02.5	98 13.1	+02.4	99 12.2	+02.5	100 11.3	+02.5	02
03	111 17.2	+02.5	112 16.4	+02.4	113 15.5	+02.5	114 14.7	+02.4	115 13.8	+02.5	03
04	126 19.7	+02.5	127 18.8	+02.5	128 18.0	+02.4	129 17.1	+02.5	130 16.3	+02.4	04
05	141 22.2	+02.4	142 21.3	+02.5	143 20.4	+02.5	144 19.6	+02.4	145 18.7	+02.5	05
06	156 24.6	+02.5	157 23.8	+02.4	158 22.9	+02.5	159 22.0	+02.5	160 21.2	+02.4	06
07	171 27.1	+02.5	172 26.2	+02.5	173 25.4	+02.4	174 24.5	+02.5	175 23.6	+02.5	07
08	186 29.6	+02.4	187 28.7	+02.5	188 27.8	+02.5	189 27.0	+02.4	190 26.1	+02.5	08
09	201 32.0	+02.5	202 31.2	+02.4	203 30.3	+02.5	204 29.4	+02.5	205 28.6	+02.4	09
10	216 34.5	+02.5	217 33.6	+02.5	218 32.8	+02.4	219 31.9	+02.5	220 31.0	+02.5	10
11	231 37.0	+02.4	232 36.1	+02.5	233 35.5	+02.5	234 34.4	+02.4	235 33.5	+02.5	11
12	246 39.4	+02.5	247 38.6	+02.4	248 37.7	+02.5	249 36.8	+02.5	250 36.0	+02.4	12
13	261 41.9	+02.4	262 41.0	+02.5	263 40.2	+02.4	264 39.3	+02.5	265 38.4	+02.5	13
14	276 44.3	+02.5	277 43.5	+02.4	278 42.6	+02.5	279 41.8	+02.4	280 40.9	+02.5	14
15	291 46.8	+02.5	292 45.9	+02.5	293 45.1	+02.5	294 44.2	+02.5	295 43.4	+02.4	15
16	306 49.3	+02.4	307 48.4	+02.5	308 47.6	+02.4	309 46.7	+02.5	310 45.8	+02.5	16
17	321 51.7	+02.5	322 50.9	+02.4	323 50.0	+02.5	324 49.2	+02.4	325 48.3	+02.5	17
18	336 54.2	+02.5	337 53.3	+02.5	338 52.5	+02.4	339 51.6	+02.5	340 50.8	+02.4	18
19	351 56.7	+02.4	352 55.8	+02.5	353 54.9	+02.5	354 54.1	+02.4	355 53.2	+02.5	19
20	6 59.1	+02.5	7 58.3	+02.4	8 57.4	+02.5	9 56.5	+02.5	10 55.7	+02.4	20
21	22 01.6	+02.5	23 00.7	+02.5	24 59.0	+02.5	25 58.1	+02.5	26 57.2	+02.5	21
22	37 04.1	+02.4	38 03.2	+02.5	39 02.3	+02.5	40 01.5	+02.4	41 00.6	+02.5	22
23	52 06.5	+02.5	53 05.7	+02.4	54 04.8	+02.5	55 03.9	+02.5	56 03.1	+02.4	23

day 316 of 365		day 317 of 365		day 318 of 365		day 319 of 365		day 320 of 365			
UT	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	UT
00	51 22.8	+02.4	52 21.9	+02.5	53 21.0	+02.5	54 20.2	+02.4	55 19.3	+02.5	00
01	66 25.2	+02.5	67 24.4	+02.4	68 23.5	+02.5	69 22.6	+02.5	70 21.8	+02.4	01
02	81 27.7	+02.5	82 26.8	+02.5	83 26.0	+02.4	84 25.1	+02.5	85 24.2	+02.5	02
03	96 30.2	+02.4	97 29.3	+02.5	98 28.4	+02.5	99 27.6	+02.4	100 26.7	+02.5	03
04	111 32.6	+02.5	112 31.8	+02.4	113 30.9	+02.5	114 30.0	+02.5	115 29.2	+02.4	04
05	126 35.1	+02.4	127 34.2	+02.5	128 33.4	+02.4	129 32.5	+02.5	130 31.6	+02.5	05
06	141 37.5	+02.5	142 36.7	+02.4	143 35.8	+02.5	144 35.0	+02.4	145 34.1	+02.5	06
07	156 40.0	+02.5	157 39.1	+02.5	158 38.3	+02.4	159 37.4	+02.5	160 36.6	+02.4	07
08	171 42.5	+02.4	172 41.6	+02.5	173 40.7	+02.5	174 39.9	+02.5	175 39.0	+02.5	08
09	186 44.9	+02.5	187 44.1	+02.4	188 43.2	+02.5	189 42.4	+02.4	190 41.5	+02.5	09
10	201 47.4	+02.5	202 46.5	+02.5	203 45.7	+02.4	204 44.8	+02.5	205 44.0	+02.4	10
11	216 49.9	+02.4	217 49.0	+02.5	218 48.1	+02.5	219 47.3	+02.4	220 46.4	+02.5	11
12	231 52.3	+02.5	232 51.5	+02.4	233 50.6	+02.5	234 49.7	+02.5	235 48.9	+02.4	12
13	246 54.8	+02.5	247 53.9	+02.5	248 53.1	+02.4	249 52.2	+02.5	250 51.3	+02.5	13
14	261 57.3	+02.4	262 56.4	+02.5	263 55.5	+02.5	264 54.7	+02.4	265 53.8	+02.5	14
15	276 59.7	+02.5	277 58.9	+02.4	278 58.0	+02.5	279 57.1	+02.5	280 56.3	+02.4	15
16	292 02.2	+02.5	293 01.3	+02.5	294 00.5	+02.4	294 59.6	+02.5	295 58.7	+02.5	16
17	307 04.7	+02.4	308 03.8	+02.5	309 02.9	+02.5	310 02.1	+02.4	311 01.2	+02.5	17
18	322 07.1	+02.5	323 06.3	+02.4	324 05.4	+02.5	325 04.5	+02.5	326 03.7	+02.4	18
19	337 09.6	+02.4	338 08.7	+02.5	339 07.9	+02.4	340 07.0	+02.5	341 06.1	+02.5	19
20	352 12.0	+02.5	353 11.2	+02.4	354 10.3	+02.5	355 09.5	+02.4	356 08.6	+02.5	20
21	7 14.5	+02.5	8 13.6	+02.5	9 12.8	+02.4	10 11.9	+02.5	11 11.1	+02.4	21
22	22 17.0	+02.4	23 16.1	+02.5	24 15.2	+02.5	25 14.4	+02.4	26 13.5	+02.5	22
23	37 19.4	+02.5	38 18.6	+02.4	39 17.7	+02.5	40 16.8	+02.5	41 16.0	+02.4	23

SHA		Dec		SHA		Dec		SHA		Dec			
°	,	°	,	°	,	°	,	°	,	°	,		
Alpheratz	357 33.9	N	29 14.3	Gienah	175 43.0	S	17 41.0			Gienah	175 43.1	S	17 41.0
Ankaa	353 06.3	S	42 09.9	Acrux	172 59.7	S	63 14.3			Acrux	172 59.9	S	63 14.3
Schedir	349 29.9	N	56 41.1	Gacrux	171 51.2	S	57 15.1			Gacrux	171 51.4	S	57 15.2
Diphda	348 46.5	S	17 50.7	Alioth	166 12.8	N	55 48.9			Alioth	166 12.9	N	55 49.0
Achernar	335 19.2	S	57 06.4	Spica	158 21.8	S	11 17.7			Spica	158 21.9	S	11 17.7
Hamal	327 50.2	N	23 35.3	Alkaid	152 51.8	N	49 10.9			Alkaid	152 51.8	N	49 11.0
Polaris	313 12.4	N	89 22.5	Hadar	148 35.5	S	60 29.7			Hadar	148 35.7	S	60 29.7
Acamar	315 10.8	S	40 12.1	Menkent	147 56.8	S	36 29.4			Menkent	147 56.9	S	36 29.4
Menkar	314 05.1	N	04 11.6	Arcturus	145 47.1	N	19 03.6			Arcturus	145 47.2	N	19 03.7
Mirfak	308 26.7	N	49 57.3	Rigel Kentaurus	139 36.9	S	60 56.6			Rigel Kentaurus	139 37.0	S	60 56.6
Aldebaran	290 38.5	N	16 33.8	Zubenelgenubi	136 55.5	S	16 08.9			Zubenelgenubi	136 55.6	S	16 08.8
Capella	280 20.4	N	46 01.6	Kocab	137 20.9	N	74 02.7			Kocab	137 20.9	N	74 02.8
Rigel	281 02.8	S	08 10.2	Alphecca	126 03.6	N	26 37.7			Alphecca	126 03.6	N	26 37.7
Bellatrix	278 21.8	N	06 22.5	Antares	112 15.4	S	26 29.3			Antares	112 15.5	S	26 29.3
Elnath	278 00.7	N	28 37.8	Atria	107 09.5	S	69 04.4			Atria	107 09.5	S	69 04.5
Alnilam	275 36.7	S	01 11.0	Sabik	102 02.3	S	15 45.4			Sabik	102 02.3	S	15 45.4
Betelgeuze	270 51.0	N	07 24.8	Shaula	96 09.8	S	37 07.3			Shaula	96 09.8	S	37 07.4
Canopus	263 51.6	S	52 42.4	Rasalhague	95 58.2	N	12 32.6			Rasalhague	95 58.2	N	12 32.7
Sirius	258 25.1	S	16 44.4	Etamin	90 42.3	N	51 29.2			Etamin	90 42.3	N	51 29.3
Adhara	255 05.0	S	29 00.2	Kaus Australis	83 31.9	S	34 22.3			Kaus Australis	83 31.9	S	34 22.3
Castor	245 55.8	N	31 49.8	Vega	80 33.2	N	38 48.4			Vega	80 33.2	N	38 48.5
Procyon	244 49.6	N	05 10.0	Nunki	75 47.2	S	26 15.9			Nunki	75 47.1	S	26 15.9
Pollux	243 15.8	N	27 57.8	Albireo	67 03.8	N	28 01.0			Albireo	67 03.7	N	28 01.0
Avior	234 14.1	S	59 35.3	Altair	61 59.7	N	08 56.1			Altair	61 59.6	N	08 56.2
Suhail	222 45.6	S	43 32.0	Peacock	53 04.9	S	56 39.3</td						

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

	day 321 of 365	day 322 of 365	day 323 of 365	day 324 of 365	day 325 of 365	
UT	GHA ddGHA	UT				
00	56 18.4 +02.5	57 17.6 +02.5	58 16.7 +02.5	59 15.9 +02.4	60 15.0 +02.5	00
01	71 20.9 +02.5	72 20.1 +02.4	73 19.2 +02.5	74 18.3 +02.5	75 17.5 +02.4	01
02	86 23.4 +02.4	87 22.5 +02.5	88 21.7 +02.4	89 20.8 +02.5	90 19.9 +02.5	02
03	101 25.8 +02.5	102 25.0 +02.4	103 24.1 +02.5	104 23.3 +02.4	105 22.4 +02.5	03
04	116 28.3 +02.5	117 27.4 +02.5	118 26.6 +02.4	119 25.7 +02.5	120 24.9 +02.4	04
05	131 30.8 +02.4	132 29.9 +02.5	133 29.0 +02.5	134 28.2 +02.5	135 27.3 +02.5	05
06	146 33.2 +02.5	147 32.4 +02.4	148 31.5 +02.5	149 30.7 +02.4	150 29.8 +02.5	06
07	161 35.7 +02.5	162 34.8 +02.5	163 34.0 +02.4	164 33.1 +02.5	165 32.3 +02.4	07
08	176 38.2 +02.4	177 37.3 +02.5	178 36.4 +02.5	179 35.6 +02.4	180 34.7 +02.5	08
09	191 40.6 +02.5	192 39.8 +02.4	193 38.9 +02.5	194 38.0 +02.5	195 37.2 +02.4	09
10	206 43.1 +02.5	207 42.2 +02.5	208 41.4 +02.4	209 40.5 +02.5	210 39.6 +02.5	10
11	221 45.6 +02.4	222 44.7 +02.5	223 43.8 +02.5	224 43.0 +02.4	225 42.1 +02.5	11
12	236 48.0 +02.5	237 47.2 +02.4	238 46.3 +02.5	239 45.4 +02.5	240 44.6 +02.4	12
13	251 50.5 +02.4	252 49.6 +02.5	253 48.8 +02.4	254 47.9 +02.5	255 47.0 +02.5	13
14	266 52.9 +02.5	267 52.1 +02.4	268 51.2 +02.5	269 50.4 +02.4	270 49.5 +02.5	14
15	281 55.4 +02.5	282 54.5 +02.5	283 53.7 +02.5	284 52.8 +02.5	285 52.0 +02.4	15
16	296 57.9 +02.4	297 57.0 +02.5	298 56.2 +02.4	299 55.3 +02.5	300 54.4 +02.5	16
17	312 00.3 +02.5	312 59.5 +02.4	313 58.6 +02.5	314 57.8 +02.4	315 56.9 +02.5	17
18	327 02.8 +02.5	328 01.9 +02.5	329 01.1 +02.4	330 00.2 +02.5	330 59.4 +02.4	18
19	342 05.3 +02.4	343 04.4 +02.5	344 03.5 +02.5	345 02.7 +02.4	346 01.8 +02.5	19
20	357 07.7 +02.5	358 06.9 +02.4	359 06.0 +02.5	0 05.1 +02.5	1 04.3 +02.5	20
21	12 10.2 +02.5	13 09.3 +02.5	14 08.5 +02.4	15 07.6 +02.5	16 06.8 +02.4	21
22	27 12.7 +02.4	28 11.8 +02.5	29 10.9 +02.5	30 10.1 +02.4	31 09.2 +02.5	22
23	42 15.1 +02.5	43 14.3 +02.4	44 13.4 +02.5	45 12.5 +02.5	46 11.7 +02.4	23

	day 326 of 365	day 327 of 365	day 328 of 365	day 329 of 365	day 330 of 365	
UT	GHA ddGHA	UT				
00	61 14.1 +02.5	62 13.3 +02.5	63 12.4 +02.5	64 11.6 +02.4	65 10.7 +02.5	00
01	76 16.6 +02.5	77 15.8 +02.4	78 14.9 +02.5	79 14.0 +02.5	80 13.2 +02.4	01
02	91 19.1 +02.4	92 18.2 +02.5	93 17.4 +02.4	94 16.5 +02.5	95 15.6 +02.5	02
03	106 21.5 +02.5	107 20.7 +02.4	108 19.8 +02.5	109 19.0 +02.4	110 18.1 +02.5	03
04	121 24.0 +02.5	122 23.1 +02.5	123 22.3 +02.4	124 21.4 +02.5	125 20.6 +02.4	04
05	136 26.5 +02.4	137 25.6 +02.5	138 24.7 +02.5	139 23.9 +02.5	140 23.0 +02.5	05
06	151 28.9 +02.5	152 28.1 +02.4	153 27.2 +02.5	154 26.4 +02.4	155 25.5 +02.5	06
07	166 31.4 +02.5	167 30.5 +02.5	168 29.7 +02.4	169 28.8 +02.5	170 28.0 +02.4	07
08	181 33.9 +02.4	182 33.0 +02.5	183 32.1 +02.5	184 31.3 +02.4	185 30.4 +02.5	08
09	196 36.3 +02.5	197 35.5 +02.4	198 34.6 +02.5	199 33.7 +02.5	200 32.9 +02.5	09
10	211 38.8 +02.5	212 37.9 +02.5	213 37.1 +02.4	214 36.2 +02.5	215 35.4 +02.4	10
11	226 41.3 +02.4	227 40.4 +02.5	228 39.5 +02.5	229 38.7 +02.4	230 37.8 +02.5	11
12	241 43.7 +02.5	242 42.9 +02.4	243 42.0 +02.5	244 41.1 +02.5	245 40.3 +02.4	12
13	256 46.2 +02.4	257 45.3 +02.5	258 44.5 +02.4	259 43.6 +02.5	260 42.7 +02.5	13
14	271 48.6 +02.5	272 47.8 +02.5	273 46.9 +02.5	274 46.1 +02.4	275 45.2 +02.5	14
15	286 51.1 +02.5	287 50.3 +02.4	288 49.4 +02.5	289 48.5 +02.5	290 47.7 +02.4	15
16	301 53.6 +02.4	302 52.7 +02.5	303 51.9 +02.4	304 51.0 +02.5	305 50.1 +02.5	16
17	316 56.0 +02.5	317 55.2 +02.4	318 54.3 +02.5	319 53.5 +02.4	320 52.6 +02.5	17
18	331 58.5 +02.5	332 57.6 +02.5	333 56.8 +02.4	334 55.9 +02.5	335 55.1 +02.4	18
19	347 01.0 +02.4	348 00.1 +02.5	348 59.2 +02.5	349 58.4 +02.5	350 57.5 +02.5	19
20	2 03.4 +02.5	3 02.6 +02.4	4 01.7 +02.5	5 00.9 +02.4	5 60.0 +02.5	20
21	17 05.9 +02.5	18 05.0 +02.5	19 04.2 +02.4	20 03.3 +02.5	21 02.5 +02.4	21
22	32 08.4 +02.4	33 07.5 +02.5	34 06.6 +02.5	35 05.8 +02.4	36 04.9 +02.5	22
23	47 10.8 +02.5	48 10.0 +02.4	49 09.1 +02.5	50 08.2 +02.5	51 07.4 +02.4	23

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357 33.9	N 29 14.3	Gienah	175 43.0	S 17 41.0	
Ankaa	353 06.3	S 42 09.9	Acrux	172 59.8	S 63 14.3	
Schedir	349 29.9	N 56 41.0	Gacrux	171 51.3	S 57 15.1	
Diphda	348 46.5	S 17 50.7	Alioth	166 12.9	N 55 49.0	
Achernar	335 19.2	S 57 06.4	Spica	158 21.8	S 11 17.7	
Hamal	327 50.2	N 23 35.3	Alkaid	152 51.8	N 49 10.9	
Polaris	313 12.6	N 89 22.5	Hadar	148 35.6	S 60 29.7	
Acamar	315 10.8	S 40 12.0	Menkent	147 56.9	S 36 29.4	
Menkar	314 05.1	N 04 11.6	Arcturus	145 47.2	N 19 03.7	
Mirfak	308 26.8	N 49 57.3	Rigel Kentaurus	139 37.0	S 60 56.6	
Aldebaran	290 38.5	N 16 33.8	Zubenelgenubi	136 55.5	S 16 08.8	
Capella	280 20.5	N 46 01.6	Kocab	137 20.9	N 74 02.8	
Rigel	281 02.9	S 08 10.2	Alphecca	126 03.6	N 26 37.7	
Bellatrix	278 21.8	N 06 22.5	Antares	112 15.5	S 26 29.3	
Elnath	278 00.7	N 28 37.8	Atria	107 09.5	S 69 04.5	
Alnilam	275 36.7	S 01 11.0	Sabik	102 02.3	S 15 45.4	
Betelgeuze	270 51.1	N 07 24.8	Shaula	96 09.8	S 37 07.4	
Canopus	263 51.7	S 52 42.3	Rasalhague	95 58.3	N 12 32.6	
Sirius	258 25.2	S 16 44.4	Etamin	90 42.3	N 51 29.2	
Adhara	255 05.1	S 29 00.2	Kaus Australis	83 31.9	S 34 22.3	
Castor	245 55.9	N 31 49.8	Vega	80 33.2	N 38 48.5	
Procyon	244 49.7	N 05 10.0	Nunki	75 47.2	S 26 15.9	
Pollux	243 15.9	N 27 57.8	Albireo	67 03.7	N 28 01.0	
Avior	234 14.2	S 59 35.2	Altair	61 59.7	N 08 56.1	
Suhail	222 45.7	S 43 31.9	Peacock	53 04.9	S 56 39.3	
Miplacidus	221 37.8	S 69 49.1	Deneb	49 25.5	N 45 22.6	
Alphard	217 47.1	S 08 46.1	Enif	33 38.1	N 09 59.8	
Regulus	207 33.6	N 11 50.4	Alnair	27 32.1	S 46 50.3	
Dubhe	193 40.3	N 61 36.4	Formalhaut	15 13.8	S 29 29.1	
Denebola	182 24.2	N 14 25.7	Markab	13 29.1	N 15 20.9	

	SHA ° ,	Dec ° ,		SHA ° ,	Dec ° ,	
Alpheratz	357 33.9	N 29 14.3	Gienah	175 43.0	S 17 41.0	
Ankaa	353 06.3	S 42 09.9	Acrux	172 59.7	S 63 14.3	
Schedir	349 29.9	N 56 41.1	Gacrux	171 51.3	S 57 15.1	
Diphda	348 46.5	S 17 50.7	Alioth	166 12.9	N 55 49.0	
Achernar	335 19.2	S 57 06.4	Spica	158 21.8	S 11 17.7	
Hamal	327 50.2	N 23 35.3	Alkaid	152 51.8	N 49 10.9	
Polaris	313 12.3	N 89 22.5	Hadar	148 35.6	S 60 29.7	
Acamar	315 10.8	S 40 12.0	Menkent	147 56.8	S 36 29.4	
Menkar	314 05.1	N 04 11.6	Arcturus	145 47.2	N 19 03.7	
Mirfak	308 26.7	N 49 57.3	Rigel Kentaurus	139 37.0	S 60 56.6	
Aldebaran	290 38.5	N 16 33.8	Zubenelgenubi	136 55.5	S 16 08.8	
Capella	280 20.4	N 46 01.6	Kocab	137 20.9	N 74 02.8	
Rigel	281 02.9	S 08 10.2	Alphecca	126 03.6	N 26 37.7	
Bellatrix	278 21.8	N 06 22.5	Antares	112 15.5	S 26 29.3	
Elnath	278 00.6	N 28 37.8	Atria	107 09.5	S 69 04.4	
Alnilam	275 36.7	S 01 11.0	Sabik	102 02.3	S 15 45.4	
Betelgeuze	270 51.0	N 07 24.8	Shaula	96 09.8	S 37 07.4	
Canopus	263 51.6	S 52 42.3	Rasalhague	95 58.3	N 12 32.6	
Sirius	258 25.1	S 16 44.4	Etamin	90 42.3	N 51 29.2	
Adhara	255 05.0	S 29 00.2	Kaus Australis	83 31.9	S 34 22.3	
Castor	245 55.8	N 31 49.8	Vega	80 33.2	N 38 48.5	
Procyon	244 49.6	N 05 10.0	Nunki	75 47.2	S 26 15.9	
Pollux	243 15.9	N 27 57.8	Albireo	67 03.7	N 28 01.0	
Avior	234 14.2	S 59 35.2	Altair	61 59.7	N 08 56.1	
Suhail	222 45.7	S 43 31.9	Peacock	53 04.9	S 56 39.3	
Miplacidus	221 37.7	S 69 49.1	Deneb	49 25.5	N 45 22.6	
Alphard	217 47.0	S 08 46.1	Enif	33 38.2	N 09 59.8	
Regulus	207 33.6	N 11 50.4</td				

# 2025 - First Point of Aries / Selected Stars

# 2025 - First Point of Aries / Selected Stars

UT	day 351 of 365		day 352 of 365		day 353 of 365		day 354 of 365		day 355 of 365		UT
	<b>December 17</b>		<b>December 18</b>		<b>December 19</b>		<b>December 20</b>		<b>December 21</b>		
GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	UT	
00	85 52.6 +02.5	86 51.8 +02.4	87 50.9 +02.5	88 50.1 +02.4	89 49.2 +02.5	00					
01	100 55.1 +02.5	101 54.2 +02.5	102 53.4 +02.4	103 52.5 +02.5	104 51.7 +02.4	01					
02	115 57.6 +02.4	116 56.7 +02.5	117 55.8 +02.5	118 55.0 +02.5	119 54.1 +02.5	02					
03	131 00.0 +02.5	131 59.2 +02.4	132 58.3 +02.5	133 57.5 +02.4	134 56.6 +02.5	03					
04	146 02.5 +02.5	147 01.6 +02.5	148 00.8 +02.4	148 59.9 +02.5	149 59.1 +02.4	04					
05	161 05.0 +02.4	162 04.1 +02.5	163 03.2 +02.5	164 02.4 +02.4	165 01.5 +02.5	05					
06	176 07.4 +02.5	177 06.6 +02.4	178 05.7 +02.5	179 04.8 +02.5	180 04.0 +02.4	06					
07	191 09.9 +02.5	192 09.0 +02.5	193 08.2 +02.4	194 07.3 +02.5	195 06.4 +02.5	07					
08	206 12.4 +02.4	207 11.5 +02.5	208 10.6 +02.5	209 09.8 +02.4	210 08.9 +02.5	08					
09	221 14.8 +02.5	222 14.0 +02.4	223 13.1 +02.5	224 12.2 +02.5	225 11.4 +02.4	09					
10	236 17.3 +02.4	237 16.4 +02.5	238 15.6 +02.4	239 14.7 +02.5	240 13.8 +02.5	10					
11	251 19.7 +02.5	252 18.9 +02.4	253 18.0 +02.5	254 17.2 +02.4	255 16.3 +02.5	11					
12	266 22.2 +02.5	267 21.3 +02.5	268 20.5 +02.5	269 19.6 +02.5	270 18.8 +02.4	12					
13	281 24.7 +02.4	282 23.8 +02.5	283 23.0 +02.4	284 22.1 +02.5	285 21.2 +02.5	13					
14	296 27.1 +02.5	297 26.3 +02.4	298 25.4 +02.5	299 24.6 +02.4	300 23.7 +02.5	14					
15	311 29.6 +02.5	312 28.7 +02.5	313 27.9 +02.4	314 27.0 +02.5	315 26.2 +02.4	15					
16	326 32.1 +02.4	327 31.2 +02.5	328 30.3 +02.5	329 29.5 +02.5	330 28.6 +02.5	16					
17	341 34.5 +02.5	342 33.7 +02.4	343 32.8 +02.5	344 32.0 +02.4	345 31.1 +02.5	17					
18	356 37.0 +02.5	357 36.1 +02.5	358 35.3 +02.4	359 34.4 +02.5	0 33.6 +02.4	18					
19	11 39.5 +02.4	12 38.6 +02.5	13 37.7 +02.5	14 36.9 +02.4	15 36.0 +02.5	19					
20	26 41.9 +02.5	27 41.1 +02.4	28 40.2 +02.5	29 39.3 +02.5	30 38.5 +02.4	20					
21	41 44.4 +02.4	42 43.5 +02.5	43 42.7 +02.4	44 41.8 +02.5	45 40.9 +02.5	21					
22	56 46.8 +02.5	57 46.0 +02.5	58 45.1 +02.5	59 44.3 +02.4	60 43.4 +02.5	22					
23	71 49.3 +02.5	72 48.5 +02.4	73 47.6 +02.5	74 46.7 +02.5	75 45.9 +02.4	23					

UT	day 336 of 365		day 337 of 365		day 338 of 365		day 339 of 365		day 340 of 365		UT
	<b>December 2</b>		<b>December 3</b>		<b>December 4</b>		<b>December 5</b>		<b>December 6</b>		
GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	UT	
00	71 05.5 +02.5	72 04.7 +02.4	73 03.8 +02.5	74 03.0 +02.4	75 02.1 +02.5	00					
01	86 08.0 +02.5	87 07.1 +02.5	88 06.3 +02.4	89 05.4 +02.5	90 04.6 +02.4	01					
02	101 10.5 +02.4	102 09.6 +02.5	103 08.7 +02.5	104 07.9 +02.5	105 07.0 +02.5	02					
03	116 12.9 +02.5	117 12.1 +02.4	118 11.2 +02.5	119 10.4 +02.4	120 09.5 +02.5	03					
04	131 15.4 +02.5	132 14.5 +02.5	133 13.7 +02.4	134 12.8 +02.5	135 12.0 +02.4	04					
05	146 17.9 +02.4	147 17.0 +02.5	148 16.1 +02.5	149 15.3 +02.4	150 14.4 +02.5	05					
06	161 20.3 +02.5	162 19.5 +02.4	163 18.6 +02.5	164 17.7 +02.5	165 16.9 +02.5	06					
07	176 22.8 +02.5	177 21.9 +02.5	178 21.1 +02.4	179 20.2 +02.5	180 19.4 +02.4	07					
08	191 25.3 +02.4	192 24.4 +02.5	193 23.5 +02.5	194 22.7 +02.4	195 21.8 +02.5	08					
09	206 27.7 +02.5	207 26.9 +02.4	208 26.0 +02.5	209 25.1 +02.5	210 24.3 +02.4	09					
10	221 30.2 +02.4	222 29.3 +02.5	223 28.5 +02.4	224 27.6 +02.5	225 26.7 +02.5	10					
11	236 32.6 +02.5	237 31.8 +02.4	238 30.9 +02.5	239 30.1 +02.4	240 29.2 +02.5	11					
12	251 35.1 +02.5	252 34.2 +02.5	253 33.4 +02.5	254 32.5 +02.5	255 31.7 +02.4	12					
13	266 37.6 +02.4	267 36.7 +02.5	268 35.9 +02.4	269 35.0 +02.5	270 34.1 +02.5	13					
14	281 40.0 +02.5	282 39.2 +02.4	283 38.3 +02.5	284 37.5 +02.4	285 36.6 +02.5	14					
15	296 42.5 +02.5	297 41.6 +02.5	298 40.8 +02.4	299 39.9 +02.5	300 39.1 +02.4	15					
16	311 45.0 +02.4	312 44.1 +02.5	313 43.2 +02.5	314 42.4 +02.5	315 41.5 +02.5	16					
17	326 47.4 +02.5	327 46.6 +02.4	328 45.7 +02.5	329 44.9 +02.4	330 44.0 +02.5	17					
18	341 49.9 +02.5	342 49.0 +02.5	343 48.2 +02.4	344 47.3 +02.5	345 46.5 +02.4	18					
19	356 52.4 +02.4	357 51.5 +02.5	358 50.6 +02.5	359 49.8 +02.4	0 48.9 +02.5	19					
20	11 54.8 +02.5	12 54.0 +02.4	13 53.1 +02.5	14 52.2 +02.5	15 51.4 +02.5	20					
21	26 57.3 +02.5	27 56.4 +02.5	28 55.6 +02.4	29 54.7 +02.5	30 53.9 +02.4	21					
22	41 59.8 +02.4	42 58.9 +02.5	43 58.0 +02.5	44 57.2 +02.4	45 56.3 +02.5	22					
23	57 02.2 +02.5	58 01.4 +02.4	59 00.5 +02.5	59 59.6 +02.5	60 58.8 +02.4	23					

	SHA	Dec		SHA	Dec	
	° ,	° ,		° ,	° ,	
Alpheratz	357 34.0	N 29 14.3	Gienah	175 42.8	S 17 41.1	
Ankaa	353 06.4	S 42 09.9	Acrux	172 59.4	S 63 14.3	
Schedir	349 30.0	N 56 41.1	Gacrux	171 51.0	S 57 15.1	
Diphda	348 46.5	S 17 50.7	Alioth	166 12.6	N 55 48.8	
Achernar	335 19.4	S 57 06.5	Spica	158 21.6	S 11 17.8	
Hamal	327 50.2	N 23 35.3	Alkaid	152 51.6	N 49 10.8	
Polaris	313 15.1	N 89 22.6	Hadar	148 35.3	S 60 29.6	
Acamar	315 10.8	S 40 12.1	Menkent	147 56.6	S 36 29.4	
Menkar	314 05.1	N 04 11.6	Arcturus	145 47.0	N 19 03.6	
Mirfak	308 26.7	N 49 57.4	Rigel Kentaurus	139 36.7	S 60 56.5	
Aldebaran	290 38.4	N 16 33.8	Zubenelgenubi	136 55.5	S 16 08.9	
Capella	280 20.3	N 46 01.6	Kocab	137 20.8	N 74 02.7	
Rigel	281 02.8	S 08 10.3	Alphecca	126 03.5	N 26 37.6	
Bellatrix	278 21.7	N 06 22.4	Antares	112 15.4	S 26 29.3	
Elnath	278 00.5	N 28 37.9	Atria	107 09.4	S 69 04.4	
Alnilam	275 36.6	S 01 11.1	Sabik	102 02.3	S 15 45.4	
Betelgeuze	270 50.9	N 07 24.7	Shaula	96 09.7	S 37 07.3	
Canopus	263 51.5	S 52 42.5	Rasalhague	95 58.3	N 12 32.6	
Sirius	258 25.0	S 16 44.5	Etamin	90 42.4	N 51 29.2	
Adhara	255 04.9	S 29 00.3	Kaus Australis	83 31.9	S 34 22.3	
Castor	245 55.6	N 31 49.8	Vega	80 33.2	N 38 48.4	
Procyon	244 49.5	N 05 09.9	Nunki	75 47.2	S 26 15.9	
Pollux	243 15.7	N 27 57.7	Albireo	67 03.8	N 28 01.0	
Avior	234 13.9	S 59 35.4	Altair	61 59.7	N 08 56.1	
Suhail	222 45.4	S 43 32.0	Peacock	53 05.0	S 56 39.2	
Miplacidus	221 37.3	S 69 49.2	Deneb	49 25.6	N 45 22.6	
Alphard	217 46.8	S 08 46.2	Enif	33 38.2	N 09 59.7	
Regulus	207 33.4	N 11 50.3	Alnair	27 32.2	S 46 50.2	
Dubhe	193 39.8	N 61 36.3	Formalhaut	15 13.9	S 29 29.1	
Denebola	182 24.0	N 14 25.6	Markab	13 29.2	N 15 20.9	

	SHA	Dec		SHA	Dec	
	° ,	° ,		° ,	° ,	
Alpheratz	357 33.9	N 29 14.3	Gienah	175 42.9	S 17 41.0	
Ankaa	353 06.3	S 42 09.9	Acrux	172 59.6	S 63 14.3	
Schedir	349 30.0	N 56 41.1	Gacrux	171 51.2	S 57 15.1	
Diphda	348					

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# 2025 - First Point of Aries / Selected Stars

UT	day 341 of 365		day 342 of 365		day 343 of 365		day 344 of 365		day 345 of 365		UT
	December 7	GHA ddGHA	December 8	GHA ddGHA	December 9	GHA ddGHA	December 10	GHA ddGHA	December 11	GHA ddGHA	
00	76 01.2	+02.5	77 00.4	+02.5	77 59.5	+02.5	78 58.7	+02.4	79 57.8	+02.5	00
01	91 03.7	+02.5	92 02.9	+02.4	93 02.0	+02.5	94 01.1	+02.5	95 00.3	+02.4	01
02	106 06.2	+02.4	107 05.3	+02.5	108 04.5	+02.4	109 03.6	+02.5	110 02.7	+02.5	02
03	121 08.6	+02.5	122 07.8	+02.4	123 06.9	+02.5	124 06.1	+02.4	125 05.2	+02.5	03
04	136 11.1	+02.5	137 10.2	+02.5	138 09.4	+02.4	139 08.5	+02.5	140 07.7	+02.4	04
05	151 13.6	+02.4	152 12.7	+02.5	153 11.8	+02.5	154 11.0	+02.5	155 10.1	+02.5	05
06	166 16.0	+02.5	167 15.2	+02.4	168 14.3	+02.5	169 13.5	+02.4	170 12.6	+02.5	06
07	181 18.5	+02.5	182 17.6	+02.5	183 16.8	+02.4	184 15.9	+02.5	185 15.1	+02.4	07
08	196 21.0	+02.4	197 20.1	+02.5	198 19.2	+02.5	199 18.4	+02.4	200 17.5	+02.5	08
09	211 23.4	+02.5	212 22.6	+02.4	213 21.7	+02.5	214 20.8	+02.5	215 20.0	+02.4	09
10	226 25.9	+02.5	227 25.0	+02.5	228 24.2	+02.4	229 23.3	+02.5	230 22.4	+02.5	10
11	241 28.4	+02.4	242 27.5	+02.5	243 26.6	+02.5	244 25.8	+02.4	245 24.9	+02.5	11
12	256 30.8	+02.5	257 30.0	+02.4	258 29.1	+02.5	259 28.2	+02.5	260 27.4	+02.4	12
13	271 33.3	+02.4	272 32.4	+02.5	273 31.6	+02.4	274 30.7	+02.5	275 29.8	+02.5	13
14	286 35.7	+02.5	287 34.9	+02.5	288 34.0	+02.5	289 33.2	+02.4	290 32.3	+02.5	14
15	301 38.2	+02.5	302 37.4	+02.4	303 36.5	+02.5	304 35.6	+02.5	305 34.8	+02.4	15
16	316 40.7	+02.4	317 39.8	+02.5	318 39.0	+02.4	319 38.1	+02.5	320 37.2	+02.5	16
17	331 43.1	+02.5	332 42.3	+02.4	333 41.4	+02.5	334 40.6	+02.4	335 39.7	+02.5	17
18	346 45.6	+02.5	347 44.7	+02.5	348 43.9	+02.4	349 43.0	+02.5	350 42.2	+02.4	18
19	1 48.1	+02.4	2 47.2	+02.5	3 46.3	+02.5	4 45.5	+02.4	5 44.6	+02.5	19
20	16 50.5	+02.5	17 49.7	+02.4	18 48.8	+02.5	19 47.9	+02.5	20 47.1	+02.5	20
21	31 53.0	+02.5	32 52.1	+02.5	33 51.3	+02.4	34 50.4	+02.5	35 49.6	+02.4	21
22	46 55.5	+02.4	47 54.6	+02.5	48 53.7	+02.5	49 52.9	+02.4	50 52.0	+02.5	22
23	61 57.9	+02.5	62 57.1	+02.4	63 56.2	+02.5	64 55.3	+02.5	65 54.5	+02.4	23

UT	day 346 of 365		day 347 of 365		day 348 of 365		day 349 of 365		day 350 of 365		UT
	December 12	GHA ddGHA	December 13	GHA ddGHA	December 14	GHA ddGHA	December 15	GHA ddGHA	December 16	GHA ddGHA	
00	80 56.9	+02.5	81 56.1	+02.4	82 55.2	+02.5	83 54.4	+02.4	84 53.5	+02.5	00
01	95 59.4	+02.5	96 58.5	+02.5	97 57.7	+02.4	98 56.8	+02.5	99 56.0	+02.4	01
02	111 01.9	+02.4	112 01.0	+02.5	113 00.1	+02.5	113 59.3	+02.5	114 58.4	+02.5	02
03	126 04.3	+02.5	127 03.5	+02.4	128 02.6	+02.5	129 01.8	+02.4	130 00.9	+02.5	03
04	141 06.8	+02.5	142 05.9	+02.5	143 05.1	+02.4	144 04.2	+02.5	145 03.4	+02.4	04
05	156 09.3	+02.4	157 08.4	+02.5	158 07.5	+02.5	159 06.7	+02.4	160 05.8	+02.5	05
06	171 11.7	+02.5	172 10.9	+02.4	173 10.0	+02.5	174 09.1	+02.5	175 08.3	+02.4	06
07	186 14.2	+02.5	187 13.3	+02.5	188 12.5	+02.4	189 11.6	+02.5	190 10.7	+02.5	07
08	201 16.7	+02.4	202 15.8	+02.5	203 14.9	+02.5	204 14.1	+02.4	205 13.2	+02.5	08
09	216 19.1	+02.5	217 18.3	+02.4	218 17.4	+02.5	219 16.5	+02.5	220 15.7	+02.4	09
10	231 21.6	+02.4	232 20.7	+02.5	233 19.9	+02.4	234 19.0	+02.5	235 18.1	+02.5	10
11	246 24.0	+02.5	247 23.2	+02.5	248 22.3	+02.5	249 21.5	+02.4	250 20.6	+02.5	11
12	261 26.5	+02.5	262 25.7	+02.4	263 24.8	+02.5	264 23.9	+02.5	265 23.1	+02.4	12
13	276 29.0	+02.4	277 28.1	+02.5	278 27.3	+02.4	279 26.4	+02.5	280 25.5	+02.5	13
14	291 31.4	+02.5	292 30.6	+02.4	293 29.7	+02.5	294 28.9	+02.4	295 28.0	+02.5	14
15	306 33.9	+02.5	307 33.0	+02.5	308 32.2	+02.4	309 31.3	+02.5	310 30.5	+02.4	15
16	321 36.4	+02.4	322 35.5	+02.5	323 34.6	+02.5	324 33.8	+02.4	325 32.9	+02.5	16
17	336 38.8	+02.5	337 38.0	+02.4	338 37.1	+02.5	339 36.2	+02.5	340 35.4	+02.5	17
18	351 41.3	+02.5	352 40.4	+02.5	353 39.6	+02.4	354 38.7	+02.5	355 37.9	+02.4	18
19	6 43.8	+02.4	7 42.9	+02.5	8 42.0	+02.5	9 41.2	+02.4	10 40.3	+02.5	19
20	21 46.2	+02.5	22 45.4	+02.4	23 44.5	+02.5	24 43.6	+02.5	25 42.8	+02.4	20
21	36 48.7	+02.5	37 47.8	+02.5	38 47.0	+02.4	39 46.1	+02.5	40 45.2	+02.5	21
22	51 51.2	+02.4	52 50.3	+02.5	53 49.4	+02.5	54 48.6	+02.4	55 47.7	+02.5	22
23	66 53.6	+02.5	67 52.8	+02.4	68 51.9	+02.5	69 51.0	+02.5	70 50.2	+02.4	23

	SHA	Dec		SHA	Dec		SHA	Dec		SHA	Dec	
	° ,	° ,		° ,	° ,		° ,	° ,		° ,	° ,	
Alpheratz	357 34.0	N 29 14.3	Gienah	175 42.9	S 17 41.1					Gienah	175 42.8	S 17 41.1
Ankaa	353 06.4	S 42 09.9	Acrux	172 59.5	S 63 14.3					Acrux	172 59.4	S 63 14.3
Schedir	349 30.0	N 56 41.1	Gacrux	171 51.1	S 57 15.1					Gacrux	171 51.0	S 57 15.1
Diphda	348 46.5	S 17 50.7	Alioth	166 12.7	N 55 48.9					Alioth	166 12.6	N 55 48.9
Achernar	335 19.3	S 57 06.5	Spica	158 21.7	S 11 17.7					Spica	158 21.7	S 11 17.7
Hamal	327 50.2	N 23 35.3	Alkaid	152 51.7	N 49 10.8					Alkaid	152 51.6	N 49 10.8
Polaris	313 13.1	N 89 22.6	Hadar	148 35.4	S 60 29.7					Hadar	148 35.4	S 60 29.7
Acamar	315 10.8	S 40 12.1	Menkent	147 56.7	S 36 29.4					Menkent	147 56.7	S 36 29.4
Menkar	314 05.1	N 04 11.6	Arcturus	145 47.1	N 19 03.6					Arcturus	145 47.0	N 19 03.6
Mirfak	308 26.7	N 49 57.3	Rigel Kentaurus	139 36.8	S 60 56.6					Rigel Kentaurus	139 36.7	S 60 56.6
Aldebaran	290 38.4	N 16 33.8	Zubenelgenubi	136 55.4	S 16 08.9					Zubenelgenubi	136 55.4	S 16 08.9
Capella	280 20.3	N 46 01.6	Kocab	137 20.8	N 74 02.7					Kocab	137 20.7	N 74 02.6
Rigel	281 02.8	S 08 10.2	Alphecca	126 03.5	N 26 37.6					Alphecca	126 03.5	N 26 37.6
Bellatrix	278 21.7	N 06 22.4	Antares	112 15.4	S 26 29.3					Antares	112 15.4	S 26 29.3
Elnath	278 00.5	N 28 37.8	Atria	107 09.4	S 69 04.4					Atria	107 09.4	S 69 04.4
Alnilam	275 36.6	S 01 11.1	Sabik	102 02.3	S 15 45.4					Sabik	102 02.3	S 15 45.4
Betelgeuze	270 51.0	N 07 24.7	Shaula	96 09.8	S 37 07.3					Shaula	96 09.8	S 37 07.3
Canopus	263 51.5	S 52 42.4	Rasalhague	95 58.2	N 12 32.6					Rasalhague	95 58.2	N 12 32.6
Sirius	258 25.0	S 16 44.5	Etamin	90 42.4	N 51 29.2					Etamin	90 42.4	N 51 29.1
Adhara	255 04.9	S 29 00.3	Kaus Australis	83 31.9	S 34 22.3					Kaus Australis	83 31.9	S 34 22.3
Castor	245 55.7	N 31 49.8	Vega	80 33.2	N 38 48.4					Vega	80 33.2	N 38 48.4
Procyon	244 49.5	N 05 09.9	Nunki	75 47.2	S 26 15.9					Nunki	75 47.2	S 26 15.9
Pollux	243 15.7	N 27 57.7	Albireo	67 03.8	N 28 00.9					Albireo	67 03.8	N 28 00.9
Avior	234 14.0	S 59 35.3	Altair	61 59.7	N 08 56.1					Altair	61 59.7	N 08 56.1
Suhail	222 45.5	S 43 32.0	Peacock	53 05.0	S 56 39.2					Peacock	53 05.0	S 56 39.2</td

2025 - First Point of Aries / Selected Stars

	day 356 of 365		day 357 of 365		day 358 of 365		day 359 of 365		day 360 of 365		
	<b>December 22</b>		<b>December 23</b>		<b>December 24</b>		<b>December 25</b>		<b>December 26</b>		
UT	GHA	ddGHA	UT								
00	90 48.3	+02.5	91 47.5	+02.4	92 46.6	+02.5	93 45.8	+02.4	94 44.9	+02.5	00
01	105 50.8	+02.5	106 49.9	+02.5	107 49.1	+02.5	108 48.2	+02.5	109 47.4	+02.4	01
02	120 53.3	+02.4	121 52.4	+02.5	122 51.6	+02.4	123 50.7	+02.5	124 49.8	+02.5	02
03	135 55.7	+02.5	136 54.9	+02.4	137 54.0	+02.5	138 53.2	+02.4	139 52.3	+02.5	03
04	150 58.2	+02.5	151 57.3	+02.5	152 56.5	+02.4	153 55.6	+02.5	154 54.8	+02.4	04
05	166 00.7	+02.4	166 59.8	+02.5	167 58.9	+02.5	168 58.1	+02.4	169 57.2	+02.5	05
06	181 03.1	+02.5	182 02.3	+02.4	183 01.4	+02.5	184 00.5	+02.5	184 59.7	+02.4	06
07	196 05.6	+02.5	197 04.7	+02.5	198 03.9	+02.4	199 03.0	+02.5	200 02.1	+02.5	07
08	211 08.1	+02.4	212 07.2	+02.5	213 06.3	+02.5	214 05.5	+02.4	215 04.6	+02.5	08
09	226 10.5	+02.5	227 09.7	+02.4	228 08.8	+02.5	229 07.9	+02.5	230 07.1	+02.4	09
10	241 13.0	+02.4	242 12.1	+02.5	243 11.3	+02.4	244 10.4	+02.5	245 09.5	+02.5	10
11	256 15.4	+02.5	257 14.6	+02.5	258 13.7	+02.5	259 12.9	+02.4	260 12.0	+02.5	11
12	271 17.9	+02.5	272 17.1	+02.4	273 16.2	+02.5	274 15.3	+02.5	275 14.5	+02.4	12
13	286 20.4	+02.4	287 19.5	+02.5	288 18.7	+02.4	289 17.8	+02.5	290 16.9	+02.5	13
14	301 22.8	+02.5	302 22.0	+02.4	303 21.1	+02.5	304 20.3	+02.4	305 19.4	+02.5	14
15	316 25.3	+02.5	317 24.4	+02.5	318 23.6	+02.4	319 22.7	+02.5	320 21.9	+02.4	15
16	331 27.8	+02.4	332 26.9	+02.5	333 26.0	+02.5	334 25.2	+02.5	335 24.3	+02.5	16
17	346 30.2	+02.5	347 29.4	+02.4	348 28.5	+02.5	349 27.7	+02.4	350 26.8	+02.5	17
18	1 32.7	+02.5	2 31.8	+02.5	3 31.0	+02.4	4 30.1	+02.5	5 29.3	+02.4	18
19	16 35.2	+02.4	17 34.3	+02.5	18 33.4	+02.5	19 32.6	+02.4	20 31.7	+02.5	19
20	31 37.6	+02.5	32 36.8	+02.4	33 35.9	+02.5	34 35.0	+02.5	35 34.2	+02.4	20
21	46 40.1	+02.5	47 39.2	+02.5	48 38.4	+02.4	49 37.5	+02.5	50 36.6	+02.5	21
22	61 42.6	+02.4	62 41.7	+02.5	63 40.8	+02.5	64 40.0	+02.4	65 39.1	+02.5	22
23	76 45.0	+02.5	77 44.2	+02.4	78 43.3	+02.5	79 42.4	+02.5	80 41.6	+02.4	23

	SHA ° ,'	Dec ° ,'		SHA ° ,'	Dec ° ,'
Alpheratz	357 34.0	N 29 14.3	Gienah	175 42.7	S 17 41.1
Ankaa	353 06.4	S 42 09.9	Acrux	172 59.3	S 63 14.3
Schedir	349 30.1	N 56 41.1	Gacrux	171 50.9	S 57 15.2
Diphda	348 46.5	S 17 50.7	Alioth	166 12.5	N 55 48.8
Achernar	335 19.4	S 57 06.5	Spica	158 21.6	S 11 17.8
Hamal	327 50.2	N 23 35.3	Alkaid	152 51.6	N 49 10.7
Polaris	313 16.1	N 89 22.7	Hadar	148 35.2	S 60 29.6
Acamar	315 10.8	S 40 12.2	Menkent	147 56.6	S 36 29.4
Menkar	314 05.1	N 04 11.6	Arcturus	145 47.0	N 19 03.5
Mirfak	308 26.7	N 49 57.4	Rigel Kentaurus	139 36.6	S 60 56.5
Aldebaran	290 38.4	N 16 33.8	Zubenelgenubi	136 55.3	S 16 08.9
Capella	280 20.3	N 46 01.7	Kocab	137 20.6	N 74 02.6
Rigel	281 02.8	S 08 10.3	Alphecca	126 03.4	N 26 37.5
Bellatrix	278 21.7	N 06 22.4	Antares	112 15.3	S 26 29.3
Elnath	278 00.5	N 28 37.9	Atria	107 09.3	S 69 04.3
Alnilam	275 36.6	S 01 11.1	Sabik	102 02.2	S 15 45.5
Betelgeuze	270 50.9	N 07 24.7	Shaula	96 09.7	S 37 07.3
Canopus	263 51.5	S 52 42.5	Rasalhague	95 58.2	N 12 32.5
Sirius	258 25.0	S 16 44.6	Etamin	90 42.4	N 51 29.1
Adhara	255 04.9	S 29 00.4	Kaus Australis	83 31.9	S 34 22.3
Castor	245 55.6	N 31 49.8	Vega	80 33.2	N 38 48.3
Procyon	244 49.4	N 05 09.9	Nunki	75 47.2	S 26 15.9
Pollux	243 15.6	N 27 57.7	Albireo	67 03.8	N 28 00.9
Avior	234 13.9	S 59 35.4	Altair	61 59.7	N 08 56.1
Suhail	222 45.4	S 43 32.1	Peacock	53 05.0	S 56 39.2
Miaplacidus	221 37.3	S 69 49.2	Deneb	49 25.6	N 45 22.5
Alphard	217 46.8	S 08 46.3	Enif	33 38.2	N 09 59.7
Regulus	207 33.3	N 11 50.3	Alnair	27 32.2	S 46 50.2
Dubhe	193 39.7	N 61 36.3	Formalhaut	15 13.9	S 29 29.1
Denebola	182 23.9	N 14 25.5	Markab	13 29.2	N 15 20.8

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# 2025 - First Point of Aries / Selected Stars

	day 361 of 365	day 362 of 365	day 363 of 365	day 364 of 365	day 365 of 365		
UT	December 27	December 28	December 29	December 30	December 31		
	GHA	ddGHA	GHA	ddGHA	GHA	ddGHA	UT
00	95 44.0 +02.5	96 43.2 +02.4	97 42.3 +02.5	98 41.5 +02.4	99 40.6 +02.5	00	
01	110 46.5 +02.5	111 45.6 +02.5	112 44.8 +02.4	113 43.9 +02.5	114 43.1 +02.4	01	
02	125 49.0 +02.4	126 48.1 +02.5	127 47.2 +02.5	128 46.4 +02.4	129 45.5 +02.5	02	
03	140 51.4 +02.5	141 50.6 +02.4	142 49.7 +02.5	143 48.8 +02.5	144 48.0 +02.4	03	
04	155 53.9 +02.5	156 53.0 +02.5	157 52.2 +02.4	158 51.3 +02.5	159 50.4 +02.5	04	
05	170 56.4 +02.4	171 55.5 +02.5	172 54.6 +02.5	173 53.8 +02.4	174 52.9 +02.5	05	
06	185 58.8 +02.5	186 58.0 +02.4	187 57.1 +02.5	188 56.2 +02.5	189 55.4 +02.4	06	
07	201 01.3 +02.5	202 00.4 +02.5	202 59.6 +02.4	203 58.7 +02.5	204 57.8 +02.5	07	
08	216 03.8 +02.4	217 02.9 +02.5	218 02.0 +02.5	219 01.2 +02.4	220 00.3 +02.5	08	
09	231 06.2 +02.5	232 05.4 +02.4	233 04.5 +02.5	234 03.6 +02.5	235 02.8 +02.4	09	
10	246 08.7 +02.4	247 07.8 +02.5	248 07.0 +02.4	249 06.1 +02.5	250 05.2 +02.5	10	
11	261 11.1 +02.5	262 10.3 +02.4	263 09.4 +02.5	264 08.6 +02.4	265 07.7 +02.5	11	
12	276 13.6 +02.5	277 12.7 +02.5	278 11.9 +02.4	279 11.0 +02.5	280 10.2 +02.4	12	
13	291 16.1 +02.4	292 15.2 +02.5	293 14.3 +02.5	294 13.5 +02.5	295 12.6 +02.5	13	
14	306 18.5 +02.5	307 17.7 +02.4	308 16.8 +02.5	309 16.0 +02.4	310 15.1 +02.5	14	
15	321 21.0 +02.5	322 20.1 +02.5	323 19.3 +02.4	324 18.4 +02.5	325 17.6 +02.4	15	
16	336 23.5 +02.4	337 22.6 +02.5	338 21.7 +02.5	339 20.9 +02.4	340 20.0 +02.5	16	
17	351 25.9 +02.5	352 25.1 +02.4	353 24.2 +02.5	354 23.3 +02.5	355 22.5 +02.4	17	
18	6 28.4 +02.5	7 27.5 +02.5	8 26.7 +02.4	9 25.8 +02.5	10 24.9 +02.5	18	
19	21 30.9 +02.4	22 30.0 +02.5	23 29.1 +02.5	24 28.3 +02.4	25 27.4 +02.5	19	
20	36 33.3 +02.5	37 32.5 +02.4	38 31.6 +02.5	39 30.7 +02.5	40 29.9 +02.4	20	
21	51 35.8 +02.4	52 34.9 +02.5	53 34.1 +02.4	54 33.2 +02.5	55 32.3 +02.5	21	
22	66 38.2 +02.5	67 37.4 +02.4	68 36.5 +02.5	69 35.7 +02.4	70 34.8 +02.5	22	
23	81 40.7 +02.5	82 39.8 +02.5	83 39.0 +02.5	84 38.1 +02.5	85 37.3 +02.4	23	

	SHA	Dec		SHA	Dec
	° ,	° ,		° ,	° ,
Alpheratz	357 34.0	N 29 14.3	Gienah	175 42.7	S 17 41.1
Ankaa	353 06.5	S 42 09.9	Acrux	172 59.2	S 63 14.3
Schedir	349 30.1	N 56 41.1	Gacrux	171 50.8	S 57 15.2
Diphda	348 46.5	S 17 50.7	Alioth	166 12.5	N 55 48.8
Achernar	335 19.4	S 57 06.5	Spica	158 21.5	S 11 17.8
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Polaris	313 17.8	N 89 22.7	Hadar	148 35.2	S 60 29.6
Acamar	315 10.8	S 40 12.2	Menkent	147 56.5	S 36 29.4
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Rigel	281 02.8	S 08 10.3	Alphecca	126 03.4	N 26 37.5
Bellatrix	278 21.7	N 06 22.4	Antares	112 15.3	S 26 29.3
Elnath	278 00.5	N 28 37.9	Atria	107 09.3	S 69 04.3
Alnilam	275 36.6	S 01 11.1	Sabik	102 02.2	S 15 45.5
Betelgeuze	270 50.9	N 07 24.7	Shaula	96 09.7	S 37 07.3
Canopus	263 51.5	S 52 42.5	Rasalhague	95 58.2	N 12 32.5
Sirius	258 25.0	S 16 44.6	Etamin	90 42.4	N 51 29.0
Adhara	255 04.8	S 29 00.4	Kaus Australis	83 31.8	S 34 22.3
Castor	245 55.6	N 31 49.8	Vega	80 33.2	N 38 48.3
Procyon	244 49.4	N 05 09.9	Nunki	75 47.1	S 26 15.9
Pollux	243 15.6	N 27 57.7	Albireo	67 03.8	N 28 00.9
Avior	234 13.8	S 59 35.4	Altair	61 59.7	N 08 56.1
Suhail	222 45.4	S 43 32.1	Peacock	53 05.0	S 56 39.2
Miaplacidus	221 37.2	S 69 49.2	Deneb	49 25.7	N 45 22.5
Alphard	217 46.7	S 08 46.3	Enif	33 38.2	N 09 59.7
Regulus	207 33.3	N 11 50.3	Alnair	27 32.2	S 46 50.2
Dubhe	193 39.7	N 61 36.3	Formalhaut	15 13.9	S 29 29.1
Denebola	182 23.9	N 14 25.5	Markab	13 29.2	N 15 20.8

**Polaris (Pole Star) Tables, 2025**  
For determining Latitude from Sextant Altitude and for Azimuth

LHA ARIES	000° - 009°	010° - 019°	020° - 029°	030° - 039°	040° - 049°	050° - 059°	060° - 069°	070° - 079°	080° - 089°	090° - 099°	100° - 109°	110° - 119°
	a0 ° ,											
<b>0</b>	0 32.9	0 28.6	0 25.2	0 22.8	0 21.5	0 21.4	0 22.4	0 24.5	0 27.7	0 31.8	0 36.8	0 42.4
<b>1</b>	0 32.4	0 28.2	0 24.9	0 22.6	0 21.4	0 21.4	0 22.6	0 24.8	0 28.1	0 32.3	0 37.3	0 43.0
<b>2</b>	0 31.9	0 27.8	0 24.6	0 22.4	0 21.4	0 21.5	0 22.7	0 25.1	0 28.4	0 32.7	0 37.8	0 43.6
<b>3</b>	0 31.5	0 27.4	0 24.3	0 22.3	0 21.4	0 21.6	0 22.9	0 25.4	0 28.8	0 33.2	0 38.4	0 44.2
<b>4</b>	0 31.0	0 27.1	0 24.1	0 22.1	0 21.3	0 21.7	0 23.1	0 25.7	0 29.2	0 33.7	0 38.9	0 44.8
<b>5</b>	0 30.6	0 26.7	0 23.8	0 22.0	0 21.3	0 21.7	0 23.3	0 26.0	0 29.6	0 34.2	0 39.5	0 45.4
<b>6</b>	0 30.2	0 26.4	0 23.6	0 21.9	0 21.3	0 21.9	0 23.5	0 26.3	0 30.1	0 34.7	0 40.1	0 46.0
<b>7</b>	0 29.8	0 26.1	0 23.4	0 21.8	0 21.3	0 22.0	0 23.8	0 26.6	0 30.5	0 35.2	0 40.6	0 46.6
<b>8</b>	0 29.3	0 25.8	0 23.2	0 21.7	0 21.3	0 22.1	0 24.0	0 27.0	0 30.9	0 35.7	0 41.2	0 47.3
<b>9</b>	0 28.9	0 25.4	0 23.0	0 21.6	0 21.3	0 22.2	0 24.3	0 27.3	0 31.4	0 36.2	0 41.8	0 47.9
<b>Lat.</b>	a1 ,											
<b>10</b>	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.8
<b>20</b>	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.8	0.9
<b>30</b>	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.8	0.9
<b>40</b>	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.7	0.7	0.8	0.9	0.9
<b>45</b>	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.8	0.9	1.0
<b>50</b>	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.9	0.9	1.0
<b>55</b>	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.0
<b>60</b>	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
<b>62</b>	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
<b>64</b>	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
<b>66</b>	0.5	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.2
<b>68</b>	0.5	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.2
<b>70</b>	0.5	0.4	0.4	0.4	0.4	0.5	0.6	0.8	0.9	1.0	1.2	1.3
<b>Month</b>	a2 ,											
<b>Jan</b>	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.3
<b>Feb</b>	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5
<b>Mar</b>	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.7	0.6
<b>Apr</b>	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
<b>May</b>	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8
<b>Jun</b>	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8
<b>Jul</b>	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6
<b>Aug</b>	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
<b>Sep</b>	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
<b>Oct</b>	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
<b>Nov</b>	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
<b>Dec</b>	0.8	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1
<b>Lat.</b>	Zo ° ,											
<b>10</b>	0.4	0.3	0.2	0.1	0.0	359.9	359.8	359.7	359.6	359.5	359.5	359.4
<b>20</b>	0.4	0.3	0.2	0.1	0.0	359.9	359.8	359.7	359.6	359.5	359.4	359.4
<b>30</b>	0.5	0.4	0.3	0.1	0.0	359.9	359.8	359.6	359.5	359.5	359.4	359.3
<b>40</b>	0.5	0.4	0.3	0.2	0.0	359.9	359.7	359.6	359.5	359.4	359.3	359.2
<b>45</b>	0.6	0.5	0.3	0.2	0.0	359.9	359.7	359.6	359.4	359.3	359.2	359.2
<b>50</b>	0.6	0.5	0.4	0.2	0.0	359.8	359.7	359.5	359.4	359.3	359.2	359.1
<b>55</b>	0.7	0.6	0.4	0.2	0.0	359.8	359.6	359.5	359.3	359.2	359.1	359.0
<b>60</b>	0.8	0.7	0.5	0.2	0.0	359.8	359.6	359.4	359.2	359.0	358.9	358.8
<b>62</b>	0.9	0.7	0.5	0.3	0.0	359.8	359.6	359.3	359.1	359.0	358.8	358.7
<b>64</b>	1.0	0.8	0.5	0.3	0.0	359.8	359.5	359.3	359.1	358.9	358.8	358.7
<b>66</b>	1.0	0.8	0.6	0.3	0.0	359.8	359.5	359.2	359.0	358.8	358.7	358.5
<b>68</b>	1.1	0.9	0.6	0.3	0.0	359.7	359.4	359.2	358.9	358.7	358.5	358.4
<b>70</b>	1.2	1.0	0.7	0.4	0.0	359.7	359.4	359.1	358.8	358.6	358.4	358.3

Latitude = Apparent Altitude (corrected for refraction and dip) - 1° + a0 + a1 + a2

To determine Latitude, the table is entered with LHA Aries, which is obtained by addition of the observer's Longitude and the GHA Aries from the daily pages of this Almanac. The value of LHA Aries determines which column of the Polaris Tables to be used. Each column refers to a range of 10° of LHA. The value a0 is taken with mental interpolation (taking into account the fractional part of LHA Aries), from the upper table with the units of LHA Aries in degrees as argument. The values of a1 and a2 are taken, without interpolation, from the second and third table with arguments Latitude and Month respectively. The correction terms a0, a1 and a2 are always positive. The final table gives the Azimuth of Polaris.

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# Polaris (Pole Star) Tables, 2025

For determining Latitude from Sextant Altitude and for Azimuth

LHA ARIES	120° - 129°	130° - 139°	140° - 149°	150° - 159°	160° - 169°	170° - 179°	180° - 189°	190° - 199°	200° - 209°	210° - 219°	220° - 229°	230° - 239°
0	a0 0 48.5	a0 0 55.0	a0 1 01.5	a0 1 08.0	a0 1 14.3	a0 1 20.0	a0 1 25.1	a0 1 29.4	a0 1 32.8	a0 1 35.2	a0 1 36.5	a0 1 36.6
1	a0 0 49.2	a0 0 55.6	a0 1 02.2	a0 1 08.7	a0 1 14.9	a0 1 20.6	a0 1 25.6	a0 1 29.8	a0 1 33.1	a0 1 35.4	a0 1 36.6	a0 1 36.6
2	a0 0 49.8	a0 0 56.3	a0 1 02.9	a0 1 09.3	a0 1 15.4	a0 1 21.1	a0 1 26.1	a0 1 30.2	a0 1 33.4	a0 1 35.6	a0 1 36.6	a0 1 36.5
3	a0 0 50.4	a0 0 56.9	a0 1 03.5	a0 1 09.9	a0 1 16.0	a0 1 21.6	a0 1 26.5	a0 1 30.6	a0 1 33.7	a0 1 35.7	a0 1 36.6	a0 1 36.4
4	a0 0 51.1	a0 0 57.6	a0 1 04.2	a0 1 10.6	a0 1 16.6	a0 1 22.1	a0 1 27.0	a0 1 30.9	a0 1 33.9	a0 1 35.9	a0 1 36.7	a0 1 36.3
5	a0 0 51.7	a0 0 58.3	a0 1 04.8	a0 1 11.2	a0 1 17.2	a0 1 22.7	a0 1 27.4	a0 1 31.3	a0 1 34.2	a0 1 36.0	a0 1 36.7	a0 1 36.3
6	a0 0 52.4	a0 0 58.9	a0 1 05.5	a0 1 11.8	a0 1 17.8	a0 1 23.2	a0 1 27.8	a0 1 31.6	a0 1 34.4	a0 1 36.1	a0 1 36.7	a0 1 36.1
7	a0 0 53.0	a0 0 59.6	a0 1 06.1	a0 1 12.4	a0 1 18.3	a0 1 23.7	a0 1 28.2	a0 1 31.9	a0 1 34.6	a0 1 36.2	a0 1 36.7	a0 1 36.0
8	a0 0 53.7	a0 1 00.2	a0 1 06.8	a0 1 13.0	a0 1 18.9	a0 1 24.2	a0 1 28.7	a0 1 32.2	a0 1 34.8	a0 1 36.3	a0 1 36.7	a0 1 35.9
9	a0 0 54.3	a0 1 00.9	a0 1 07.4	a0 1 13.7	a0 1 19.5	a0 1 24.6	a0 1 29.1	a0 1 32.6	a0 1 35.0	a0 1 36.4	a0 1 36.7	a0 1 35.8

Lat.	a1 ,											
10	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.5
20	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.5
30	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.5
40	1.0	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.6	0.6	0.5
45	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.7	0.6	0.6	0.6	0.5
50	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.7	0.6	0.6	0.5
55	1.1	1.1	1.1	1.1	1.0	1.0	0.9	0.8	0.7	0.6	0.6	0.5
60	1.2	1.2	1.2	1.1	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.5
62	1.2	1.2	1.2	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.5
64	1.2	1.3	1.2	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.5
66	1.3	1.3	1.2	1.2	1.2	1.0	0.9	0.8	0.7	0.6	0.6	0.5
68	1.3	1.3	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.5
70	1.4	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.5

Month	a2 ,											
Jan	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5
Feb	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Mar	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2	
Apr	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	
May	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.4	0.4	
Jun	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.5	
Jul	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	
Aug	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	
Sep	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.8	
Oct	0.2	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.7	
Nov	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.6	0.6	
Dec	0.0	0.0	-0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.4	

Lat.	Zo °											
10	359.4	359.4	359.4	359.4	359.4	359.5	359.6	359.7	359.8	359.9	360.0	0.1
20	359.3	359.3	359.3	359.4	359.4	359.5	359.6	359.7	359.8	359.9	360.0	0.1
30	359.3	359.3	359.3	359.4	359.4	359.5	359.5	359.6	359.7	359.9	360.0	0.1
40	359.2	359.2	359.2	359.3	359.4	359.5	359.5	359.6	359.7	359.8	360.0	0.1
45	359.1	359.1	359.1	359.2	359.3	359.4	359.5	359.7	359.8	360.0	0.1	
50	359.0	359.0	359.0	359.1	359.1	359.2	359.4	359.5	359.7	360.0	0.1	
55	358.9	358.9	358.9	358.9	358.9	358.9	358.9	358.9	358.9	358.9	0.2	
60	358.8	358.7	358.8	358.8	358.8	358.9	358.9	358.9	358.9	358.9	0.2	
62	358.7	358.7	358.7	358.7	358.8	358.8	358.9	358.9	358.9	358.9	0.2	
64	358.6	358.6	358.6	358.6	358.7	358.8	358.8	358.9	358.9	358.9	0.2	
66	358.5	358.5	358.5	358.5	358.7	358.7	358.8	358.8	358.9	358.9	0.2	
68	358.3	358.3	358.3	358.4	358.4	358.6	358.7	358.7	358.9	358.9	0.3	
70	358.2	358.2	358.2	358.3	358.4	358.6	358.8	358.9	359.1	359.4	360.0	0.3

Latitude = Apparent Altitude (corrected for refraction and dip) - 1° + a0 + a1 + a2

To determine Latitude, the table is entered with LHA Aries, which is obtained by addition of the observer's Longitude and the GHA Aries from the daily pages of this Almanac. The value of LHA Aries determines which column of the Polaris Tables to be used. Each column refers to a range of 10° of LHA. The value a0 is taken with mental interpolation (taking into account the fractional part of LHA Aries), from the upper table with the units of LHA Aries in degrees as argument. The values of a1 and a2 are taken, without interpolation, from the second and third table with arguments Latitude and Month respectively. The correction terms a0, a1 and a2 are always positive. The final table gives the Azimuth of Polaris.

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# Polaris (Pole Star) Tables, 2025

For determining Latitude from Sextant Altitude and for Azimuth

LHA ARIES	240° - 249°	250° - 259°	260° - 269°	270° - 279°	280° - 289°	290° - 299°	300° - 309°	310° - 319°	320° - 329°	330° - 339°	340° - 349°	350° - 359°
0	a0 0											
1	a0 1 35.6	a0 1 33.5	a0 1 30.3	a0 1 26.2	a0 1 21.2	a0 1 15.6	a0 1 09.5	a0 1 03.0	a0 0 56.5	a0 0 50.0	a0 0 43.7	a0 0 38.0
2	a0 1 35.4	a0 1 33.2	a0 1 29.9	a0 1 25.7	a0 1 20.7	a0 1 15.0	a0 1 08.8	a0 1 02.4	a0 0 55.8	a0 0 49.3	a0 0 43.1	a0 0 37.4
3	a0 1 35.1	a0 1 32.6	a0 1 29.2	a0 1 24.8	a0 1 19.6	a0 1 13.8	a0 1 07.6	a0 1 01.1	a0 0 54.5	a0 0 48.1	a0 0 42.0	a0 0 36.4
4	a0 1 34.9	a0 1 32.3	a0 1 28.8	a0 1 24.3	a0 1 19.1	a0 1 13.2	a0 1 06.9	a0 1 00.4	a0 0 53.8	a0 0 47.4	a0 0 41.4	a0 0 35.9
5	a0 1 34.7	a0 1 32.0	a0 1 28.4	a0 1 23.8	a0 1 18.5	a0 1 12.6	a0 1 06.3	a0 0 59.7	a0 0 53.2	a0 0 46.8	a0 0 40.8	a0 0 35.3
6	a0 1 34.5	a0 1 31.7	a0 1 27.9	a0 1 23.3	a0 1 17.9	a0 1 12.0	a0 1 05.6	a0 0 59.1	a0 0 52.5	a0 0 46.2	a0 0 40.2	a0 0 34.8
7	a0 1 34.2	a0 1 31.4	a0 1 27.5	a0 1 22.8	a0 1 17.4	a0 1 11.4	a0 1 05.0	a0 0 58.4	a0 0 51.9	a0 0 45.6	a0 0 39.7	a0 0 34.3
8	a0 1 34.0	a0 1 31.0	a0 1 27.1	a0 1 22.3	a0 1 16.8	a0 1 10.7	a0 1 04.3	a0 0 57.8	a0 0 51.2	a0 0 45.0	a0 0 39.1	a0 0 33.8
9	a0 1 33.7	a0 1 30.7	a0 1 26.6	a0 1 21.8	a0 1 16.2	a0 1 10.1	a0 1 03.7	a0 0 57.1	a0 0 50.6	a0 0 44.3	a0 0 38.5	a0 0 33.4

| Lat. | a1 , |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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