Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-03
Time : 5h 46m 00.0s UTC
LHA Aries : 137° 10.7′
Height Sun : -6° 00.0′

#	Name	H	dH/m	dH/d	Z	m
53	Deneb	+5° 34.5′	+0.8′	+3.3′	5	1.2
40	Kochab	+48° 39.1′	+4.0′	+15.8′	25	2.1
49	Vega	+4° 50.0′	+4.6′	+18.4′	29	0.0
47	Eltanin	+19° 20.7′	+4.7′	+18.7′	29	2.2
27	Dubhe	+70° 12.3′	+6.6′	+25.8′	43	1.8
32	Alioth	+56° 21.4′	+8.2′	+32.2′	58	1.8
34	Alkaid	+46° 22.0′	+8.6′	+33.8′	63	1.9
41	Alphecca	+16° 00.1′	+8.9′	+35.1′	67	2.2
37	Arcturus	+22° 43.2′	+9.7′	+37.9′	87	-0.0
33	Spica	+6° 58.3′	+8.6′	+33.7′	117	1.0
-2	Venus	+4° 54.8′	+8.5′	+62.0′	118	-4.5
28	Denebola	+41° 38.8′	+8.1′	+31.7′	123	2.1
29	Gienah	+10° 35.2′	+6.9′	+26.7′	135	2.6
-3	Moon(4)	+41° 14.6′	+5.1′	-596.0′	146	-12.7
26	Regulus	+49° 48.0′	+3.9′	+14.7′	156	1.4
-3	Moon(3)	+50° 17.3′	+3.3′	-542.7′	159	-12.7
-5	Jupiter	+53° 03.5′	+2.7′	+6.9′	164	-2.1
-4	Mars	+56° 08.5′	+1.6′	-5.2′	170	0.4
25	Alphard	+31° 02.4′	+1.0′	+3.5′	174	2.0
-3	Moon(2)	+57° 22.3′	+0.4′	-425.0′	178	-12.7
19	Adhara	+5° 57.0′	-4.5′	-18.0′	208	1.5
20	Procyon	+41° 28.0′	-4.8′	-19.2′	210	0.4
18	Sirius	+16° 13.7′	-5.6′	-22.3′	215	-1.5
21	Pollux	+63° 00.5′	-6.6′	-26.2′	223	1.1
15	Alnilam	+21° 53.1′	-8.3′	-32.7′	239	1.7
11	Rigel	+13° 04.2′	-8.3′	-32.9′	240	0.1
16	Betelgeuse	+31° 40.4′	-8.4′	-33.0′	240	0.5
13	Bellatrix	+26° 31.1′	-8.8′	-34.8′	246	1.6
10	Aldebaran	+26° 48.9′	-9.6′	-37.7′	264	0.8
14	Elnath	+43° 34.2′	-9.6′	-37.7′	264	1.6
8	Menkar	+2° 24.8′	-9.6′	-37.8′	274	2.5
12	Capella	+52° 17.6′	-9.3′	-36.3′	287	0.1
6	Hamal	+8° 52.6′	-8.7′	-33.9′	296	2.0
9	Mirfak	+38° 11.6′	-7.9′	-30.9′	305	1.8
3	Schedar	+25° 27.0′	-4.7′	-18.4′	331	2.2
58	Polaris	+50° 01.1′	-0.2′	-0.6′	359	2.0

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-03
Time : 16h 35m 00.0s UTC
LHA Aries : 299° 52.3′
Height Sun : -5° 59.5′

#	Name	H	dH/m	dH/d	Z	m
58	Polaris	+49° 49.9′	+0.2′	+0.6′	1	2.0
12	Capella	+12° 09.7′	+4.4′	+17.6′	27	0.1
9	Mirfak	+25° 42.5′	+6.4′	+25.3′	42	1.8
3	Schedar	+49° 13.7′	+7.7′	+30.2′	53	2.2
6	Hamal	+16° 26.3′	+9.2′	+36.3′	73	2.0
1	Alpheratz	+39° 14.2′	+9.7′	+37.9′	90	2.1
-6	Saturn	+13° 52.2′	+9.3′	+37.7′	105	0.7
57	Markab	+38° 54.8′	+8.7′	+34.0′	116	2.5

53	Deneb	:	+81° 26.3′	+8.5′	+32.8′	119	1.2
54	Enif	:	+44° 22.3′	+5.9′	+23.0′	142	2.4
56	Fomalhaut	:	+1° 05.2′	+5.9′	+23.1′	142	1.2
51	Altair	:	+48° 53.5′	-0.5′	-2.3′	183	0.8
50	Nunki	:	+12° 27.6′	-2.4′	-9.7′	194	2.0
48	Kaus Australis	:	+3° 06.2′	-3.2′	-12.7′	199	1.9
44	Sabik	:	+14° 36.4′	-6.4′	-25.4′	222	2.4
42	Antares	:	+0° 39.0′	-6.8′	-27.0′	225	1.0
46	Rasalhague	:	+42° 26.8′	-7.5′	-29.6′	231	2.1
49	Vega	:	+71° 42.6′	-8.4′	-33.1′	240	0.0
41	Alphecca	:	+35° 17.6′	-9.7′	-37.9′	271	2.2
37	Arcturus	:	+17° 13.2′	-9.5′	-37.4′	279	-0.0
47	Eltanin	:	+70° 44.8′	-9.3′	-36.4′	286	2.2
34	Alkaid	:	+34° 02.9′	-7.6′	-29.8′	308	1.9
32	Alioth	:	+32° 16.2′	-6.2′	-24.1′	320	1.8
40	Kochab	:	+50° 52.8′	-4.1′	-16.1′	335	2.1
27	Dubhe	:	+27° 37.2′	-3.8′	-14.6′	337	1.8

```
         Latitude :  +50° 01.3′
        Longitude :   +8° 10.2′

      Height (min) :    0°
   Magnitude (max) :    4.0

Sun distance (min) :   30°
   Cut angle (min) :   30°

             Date : 2026-11-03
             Time :   6h 30m 00.0s UTC
        LHA Aries :  148° 12.5′

                 # Name            :      H             dH/m    dH/d          Z    m

                 0 Sun             :   +0° 36.4′        +8.8′  -14.9′       115 -26.7
                -3 Moon(4)         :  +44° 07.9′        +3.1′ -532.9′       160 -12.7
                -3 Moon(3)         :  +51° 36.4′        +0.7′ -448.5′       176 -12.7
                -3 Moon(2)         :  +56° 24.1′        -2.6′ -287.7′       196 -12.7



             Date : 2026-11-03
             Time :   7h 00m 00.0s UTC
        LHA Aries :  155° 43.7′

                 # Name            :      H             dH/m    dH/d          Z    m

                 0 Sun             :   +4° 52.2′        +8.3′  -15.3′       121 -26.7
                -3 Moon(4)         :  +45° 10.9′        +1.5′ -477.8′       170 -12.7
                -3 Moon(3)         :  +51° 22.4′        -1.1′ -371.6′       187 -12.7
                -3 Moon(2)         :  +54° 33.3′        -4.4′ -190.8′       208 -12.7



             Date : 2026-11-03
             Time :   7h 30m 00.0s UTC
        LHA Aries :  163° 15.0′

                 # Name            :      H             dH/m    dH/d          Z    m

                 0 Sun             :   +8° 52.7′        +7.7′  -15.8′       127 -26.7
                -3 Moon(4)         :  +45° 24.6′        -0.1′ -413.9′       181 -12.7
                -3 Moon(3)         :  +50° 13.9′        -2.9′ -289.3′       198 -12.7
                -3 Moon(2)         :  +51° 54.2′        -5.8′ -100.3′       219 -12.7



             Date : 2026-11-03
             Time :   8h 00m 00.0s UTC
        LHA Aries :  170° 46.2′

                 # Name            :      H             dH/m    dH/d          Z    m

                 0 Sun             :  +12° 34.5′        +7.1′  -16.3′       133 -26.7
                -3 Moon(4)         :  +44° 48.2′        -1.8′ -343.8′       191 -12.7
                -3 Moon(3)         :  +48° 15.4′        -4.5′ -207.2′       209 -12.7
                -3 Moon(2)         :  +48° 36.8′        -6.9′  -21.3′       228 -12.7



             Date : 2026-11-03
             Time :   8h 30m 00.0s UTC
        LHA Aries :  178° 17.4′

                 # Name            :      H             dH/m    dH/d          Z    m

                 0 Sun             :  +15° 54.0′        +6.2′  -16.8′       140 -26.7
                -3 Moon(4)         :  +43° 23.6′        -3.3′ -271.1′       201 -12.7
                -3 Moon(3)         :  +45° 34.0′        -5.8′ -130.4′       218 -12.7
                -3 Moon(2)         :  +44° 50.2′        -7.8′  +43.8′       237 -12.7
```

Date : 2026-11-03
Time : 9h 00m 00.0s UTC
LHA Aries : 185° 48.7′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+18° 47.3′	+5.3′	-17.3′	147	-26.7
-3	Moon(4)	+41° 15.1′	-4.7′	-199.8′	210	-12.7
-3	Moon(3)	+42° 17.4′	-6.8′	-62.3′	227	-12.7
-3	Moon(2)	+40° 42.1′	-8.4′	+95.3′	244	-12.7

Date : 2026-11-03
Time : 9h 30m 00.0s UTC
LHA Aries : 193° 19.9′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+21° 10.7′	+4.3′	-17.8′	154	-26.7
-3	Moon(4)	+38° 28.6′	-5.9′	-133.1′	219	-12.7
-3	Moon(3)	+38° 33.1′	-7.6′	-4.6′	235	-12.7
-3	Moon(2)	+36° 18.8′	-8.8′	+134.3′	251	-12.7

Date : 2026-11-03
Time : 10h 00m 00.0s UTC
LHA Aries : 200° 51.1′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+23° 00.5′	+3.1′	-18.2′	161	-26.7
-3	Moon(4)	+35° 10.3′	-6.8′	-73.4′	227	-12.7
-3	Moon(3)	+34° 27.8′	-8.3′	+42.6′	242	-12.7
-3	Moon(2)	+31° 45.1′	-9.1′	+162.7′	257	-12.7

Date : 2026-11-03
Time : 10h 30m 00.0s UTC
LHA Aries : 208° 22.3′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+24° 13.6′	+1.8′	-18.4′	169	-26.7
-3	Moon(4)	+31° 26.5′	-7.6′	-21.9′	234	-12.7
-3	Moon(3)	+30° 06.7′	-8.7′	+79.7′	249	-12.7
-3	Moon(2)	+27° 04.9′	-9.3′	+181.8′	263	-12.7

Date : 2026-11-03
Time : 11h 00m 00.0s UTC
LHA Aries : 215° 53.6′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+24° 47.8′	+0.5′	-18.6′	177	-26.7
-3	Moon(4)	+27° 22.5′	-8.2′	+21.3′	241	-12.7
-3	Moon(3)	+25° 34.5′	-9.0′	+108.0′	255	-12.7
-3	Moon(2)	+22° 21.4′	-9.3′	+193.1′	269	-12.7

Date : 2026-11-03
Time : 11h 30m 00.0s UTC
LHA Aries : 223° 24.8′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+24° 41.9′	-0.9′	-18.5′	185	-26.7
-3	Moon(4)	+23° 03.0′	-8.6′	+56.4′	248	-12.7
-3	Moon(3)	+20° 54.8′	-9.2′	+128.1′	261	-12.7
-3	Moon(2)	+17° 37.4′	-9.3′	+197.4′	274	-12.7

Date : 2026-11-03
Time : 12h 00m 00.0s UTC
LHA Aries : 230° 56.0′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+23° 56.1′	-2.2′	-18.3′	193	-26.7
-3	Moon(4)	+18° 32.1′	-9.0′	+83.9′	254	-12.7
-3	Moon(3)	+16° 10.9′	-9.3′	+141.2′	267	-12.7
-3	Moon(2)	+12° 55.2′	-9.2′	+195.7′	280	-12.7

Date : 2026-11-03
Time : 12h 30m 00.0s UTC
LHA Aries : 238° 27.3′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+22° 31.9′	-3.4′	-18.0′	201	-26.7
-3	Moon(4)	+13° 53.2′	-9.2′	+104.5′	260	-12.7
-3	Moon(3)	+11° 25.4′	-9.3′	+147.8′	272	-12.7
-3	Moon(2)	+8° 17.3′	-9.0′	+188.1′	285	-12.7

Date : 2026-11-03
Time : 13h 00m 00.0s UTC
LHA Aries : 245° 58.5′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+20° 31.8′	-4.6′	-17.5′	208	-26.7
-3	Moon(4)	+9° 09.3′	-9.3′	+118.6′	265	-12.7
-3	Moon(3)	+6° 41.0′	-9.2′	+148.4′	278	-12.7
-3	Moon(2)	+3° 45.9′	-8.7′	+175.1′	290	-12.7

Date : 2026-11-03
Time : 13h 30m 00.0s UTC
LHA Aries : 253° 29.7′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+17° 59.2′	-5.6′	-17.0′	215	-26.7
-3	Moon(4)	+4° 23.3′	-9.3′	+126.8′	271	-12.7
-3	Moon(3)	+2° 00.0′	-9.1′	+143.3′	283	-12.7

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-06
Time : 5h 51m 00.0s UTC
LHA Aries : 141° 23.3′
Height Sun : -5° 56.9′

#	Name	H	dH/m	dH/d	Z	m
53	Deneb	+5° 51.8′	+1.3′	+5.2′	8	1.2
40	Kochab	+49° 46.9′	+4.1′	+16.0′	25	2.1
49	Vega	+6° 11.4′	+5.1′	+20.1′	32	0.0
47	Eltanin	+20° 43.1′	+5.1′	+20.1′	32	2.2
27	Dubhe	+72° 00.7′	+6.3′	+24.5′	41	1.8
32	Alioth	+58° 39.7′	+8.3′	+32.5′	59	1.8
34	Alkaid	+48° 47.6′	+8.7′	+34.4′	65	1.9
41	Alphecca	+18° 31.5′	+9.1′	+35.8′	70	2.2
37	Arcturus	+25° 25.4′	+9.7′	+37.9′	90	-0.0
33	Spica	+9° 20.7′	+8.3′	+32.6′	120	1.0
-2	Venus	+8° 36.0′	+8.2′	+55.4′	122	-4.9
-3	Moon(7)	+11° 17.9′	+7.7′	-612.9′	125	-12.7
28	Denebola	+43° 51.5′	+7.7′	+29.9′	127	2.1
-3	Moon(6)	+21° 36.0′	+7.0′	-618.1′	131	-12.7
29	Gienah	+12° 26.8′	+6.4′	+25.0′	138	2.6
-3	Moon(5)	+31° 48.8′	+6.2′	-612.8′	139	-12.7
26	Regulus	+50° 44.6′	+2.9′	+10.8′	163	1.4
-5	Jupiter	+53° 31.2′	+1.7′	+3.5′	170	-2.1
-4	Mars	+55° 57.1′	+0.8′	-6.7′	175	0.3
25	Alphard	+31° 12.0′	+0.2′	+0.3′	179	2.0
19	Adhara	+4° 36.5′	-5.0′	-20.0′	211	1.5
20	Procyon	+40° 00.9′	-5.5′	-22.1′	215	0.4
18	Sirius	+14° 35.1′	-6.1′	-24.3′	219	-1.5
21	Pollux	+61° 03.3′	-7.4′	-29.2′	230	1.1
15	Alnilam	+19° 31.3′	-8.6′	-33.9′	243	1.7
11	Rigel	+10° 41.5′	-8.6′	-34.0′	243	0.1
16	Betelgeuse	+29° 17.1′	-8.7′	-34.2′	244	0.5
13	Bellatrix	+24° 00.5′	-9.1′	-35.7′	250	1.6
10	Aldebaran	+24° 07.1′	-9.7′	-37.9′	267	0.8
14	Elnath	+40° 52.4′	-9.7′	-37.9′	267	1.6
12	Capella	+49° 43.1′	-9.1′	-35.8′	289	0.1
6	Hamal	+6° 29.2′	-8.4′	-32.9′	299	2.0
9	Mirfak	+36° 00.8′	-7.7′	-30.1′	307	1.8
3	Schedar	+24° 10.4′	-4.4′	-17.1′	333	2.2
58	Polaris	+49° 58.4′	-0.2′	-0.6′	359	2.0

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-06
Time : 16h 31m 00.0s UTC
LHA Aries : 301° 49.6′
Height Sun : -6° 04.1′

#	Name	H	dH/m	dH/d	Z	m
58	Polaris	+49° 51.1′	+0.2′	+0.6′	1	2.0
12	Capella	+12° 44.9′	+4.6′	+18.3′	29	0.1
9	Mirfak	+26° 33.0′	+6.5′	+25.8′	43	1.8
3	Schedar	+50° 13.7′	+7.7′	+30.4′	53	2.2
6	Hamal	+17° 38.4′	+9.3′	+36.5′	74	2.0
1	Alpheratz	+40° 29.5′	+9.7′	+37.9′	91	2.1
-6	Saturn	+15° 07.8′	+9.2′	+37.3′	107	0.7
57	Markab	+40° 02.1′	+8.6′	+33.5′	118	2.5
53	Deneb	+82° 30.4′	+7.9′	+30.4′	125	1.2

56 Fomalhaut	:	+1° 50.7′	+5.7′	+22.3′	144	1.2
54 Enif	:	+45° 07.3′	+5.6′	+21.7′	145	2.4
51 Altair	:	+48° 47.9′	-1.0′	-4.3′	186	0.8
50 Nunki	:	+12° 07.8′	-2.7′	-10.8′	196	2.0
48 Kaus Australis	:	+2° 40.5′	-3.4′	-13.7′	201	1.9
44 Sabik	:	+13° 45.5′	-6.6′	-26.2′	223	2.4
46 Rasalhague	:	+41° 27.5′	-7.7′	-30.5′	233	2.1
49 Vega	:	+70° 36.3′	-8.6′	-34.1′	243	0.0
41 Alphecca	:	+34° 02.3′	-9.7′	-37.9′	272	2.2
37 Arcturus	:	+15° 59.0′	-9.5′	-37.2′	281	-0.0
47 Eltanin	:	+69° 32.5′	-9.3′	-36.3′	287	2.2
34 Alkaid	:	+33° 04.0′	-7.5′	-29.4′	309	1.9
32 Alioth	:	+31° 28.5′	-6.1′	-23.6′	321	1.8
40 Kochab	:	+50° 20.9′	-4.1′	-16.0′	335	2.1
27 Dubhe	:	+27° 08.5′	-3.6′	-14.1′	338	1.8

```
         Latitude :  +50° 01.3′
        Longitude :   +8° 10.2′

      Height (min) :    0°
   Magnitude (max) :    4.0

Sun distance (min) :   30°
   Cut angle (min) :   30°
```

```
            Date : 2026-11-06
            Time :   7h 00m 00.0s UTC
       LHA Aries :  158° 41.1′

                 # Name             :      H             dH/m    dH/d          Z    m

                 0 Sun              :   +4° 06.6′        +8.3′  -15.0′       121 -26.7
                -3 Moon(5)          :  +37° 13.1′        +3.5′ -532.9′       158 -12.7
```

```
            Date : 2026-11-06
            Time :   7h 30m 00.0s UTC
       LHA Aries :  166° 12.3′

                 # Name             :      H             dH/m    dH/d          Z    m

                 0 Sun              :   +8° 05.7′        +7.7′  -15.4′       127 -26.7
                -3 Moon(5)          :  +38° 30.7′        +2.1′ -485.1′       167 -12.7
```

```
            Date : 2026-11-06
            Time :   8h 00m 00.0s UTC
       LHA Aries :  173° 43.6′

                 # Name             :      H             dH/m    dH/d          Z    m

                 0 Sun              :  +11° 46.0′        +7.0′  -15.9′       133 -26.7
                -3 Moon(6)          :  +31° 54.8′        +2.6′ -477.6′       164 -12.7
                -3 Moon(5)          :  +39° 04.4′        +0.6′ -429.6′       176 -12.7
```

```
            Date : 2026-11-06
            Time :   8h 30m 00.0s UTC
       LHA Aries :  181° 14.8′

                 # Name             :      H             dH/m    dH/d          Z    m

                 0 Sun              :  +15° 04.0′        +6.2′  -16.4′       140 -26.7
                -3 Moon(6)          :  +32° 44.3′        +1.2′ -427.4′       173 -12.7
                -3 Moon(5)          :  +38° 52.4′        -0.9′ -368.2′       186 -12.7
```

```
            Date : 2026-11-06
            Time :   9h 00m 00.0s UTC
       LHA Aries :  188° 46.1′

                 # Name             :      H             dH/m    dH/d          Z    m

                 0 Sun              :  +17° 55.9′        +5.3′  -16.8′       147 -26.7
                -3 Moon(6)          :  +32° 52.3′        -0.2′ -371.6′       181 -12.7
                -3 Moon(5)          :  +37° 55.3′        -2.4′ -303.0′       195 -12.7
```

```
            Date : 2026-11-06
            Time :   9h 30m 00.0s UTC
       LHA Aries :  196° 17.3′

                 # Name             :      H             dH/m    dH/d          Z    m

                 0 Sun              :  +20° 17.9′        +4.2′  -17.2′       154 -26.7
                -3 Moon(6)          :  +32° 18.3′        -1.6′ -311.8′       190 -12.7
                -3 Moon(5)          :  +36° 15.4′        -3.7′ -237.1′       204 -12.7
```

Date : 2026-11-06
Time : 10h 00m 00.0s UTC
LHA Aries : 203° 48.5′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+22° 06.7′	+3.0′	-17.5′	162	-26.7
-3	Moon(6)	+31° 03.7′	-2.9′	-250.1′	198	-12.7
-3	Moon(5)	+33° 56.9′	-5.0′	-173.2′	212	-12.7

Date : 2026-11-06
Time : 10h 30m 00.0s UTC
LHA Aries : 211° 19.8′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+23° 19.0′	+1.8′	-17.7′	169	-26.7
-3	Moon(6)	+29° 11.0′	-4.1′	-188.8′	206	-12.7
-3	Moon(5)	+31° 04.6′	-6.0′	-113.7′	220	-12.7

Date : 2026-11-06
Time : 11h 00m 00.0s UTC
LHA Aries : 218° 51.0′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+23° 52.9′	+0.5′	-17.8′	177	-26.7
-3	Moon(6)	+26° 43.8′	-5.2′	-130.0′	214	-12.7
-3	Moon(5)	+27° 43.8′	-6.9′	-60.0′	227	-12.7

Date : 2026-11-06
Time : 11h 30m 00.0s UTC
LHA Aries : 226° 22.2′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+23° 47.1′	-0.8′	-17.7′	185	-26.7
-3	Moon(6)	+23° 46.5′	-6.1′	-75.3′	221	-12.7
-3	Moon(5)	+23° 59.4′	-7.6′	-12.9′	234	-12.7

Date : 2026-11-06
Time : 12h 00m 00.0s UTC
LHA Aries : 233° 53.5′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+23° 02.0′	-2.1′	-17.5′	193	-26.7
-3	Moon(6)	+20° 23.2′	-6.9′	-25.6′	228	-12.7
-3	Moon(5)	+19° 56.0′	-8.1′	+27.2′	241	-12.7

Date : 2026-11-06
Time : 12h 30m 00.0s UTC
LHA Aries : 241° 24.7′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+21° 38.8′	-3.4′	-17.1′	200	-26.7
-3	Moon(6)	+16° 38.2′	-7.6′	+18.2′	234	-12.7
-3	Moon(5)	+15° 37.7′	-8.6′	+60.6′	247	-12.7

Date : 2026-11-06
Time : 13h 00m 00.0s UTC
LHA Aries : 248° 55.9′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+19° 40.1′	-4.5′	-16.6′	208	-26.7
-3	Moon(6)	+12° 35.4′	-8.1′	+56.2′	241	-12.7
-3	Moon(5)	+11° 08.0′	-8.9′	+87.4′	253	-12.7

Date : 2026-11-06
Time : 13h 30m 00.0s UTC
LHA Aries : 256° 27.1′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+17° 09.0′	-5.5′	-16.1′	215	-26.7
-3	Moon(6)	+8° 18.3′	-8.6′	+88.3′	247	-12.7
-3	Moon(5)	+6° 30.1′	-9.1′	+108.2′	259	-12.7

Date : 2026-11-06
Time : 14h 00m 00.0s UTC
LHA Aries : 263° 58.4′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+14° 09.1′	-6.4′	-15.5′	222	-26.7
-3	Moon(6)	+3° 50.1′	-8.9′	+114.8′	252	-12.7
-3	Moon(5)	+1° 46.9′	-9.3′	+123.2′	264	-12.7

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-09
Time : 5h 55m 00.0s UTC
LHA Aries : 145° 20.9′
Height Sun : -6° 02.8′

#	Name	H	dH/m	dH/d	Z	m
53	Deneb	+6° 15.7′	+1.7′	+7.1′	10	1.2
40	Kochab	+50° 51.5′	+4.1′	+16.1′	25	2.1
47	Eltanin	+22° 05.8′	+5.4′	+21.3′	34	2.2
49	Vega	+7° 34.5′	+5.5′	+21.6′	34	0.0
27	Dubhe	+73° 36.6′	+5.8′	+22.6′	37	1.8
32	Alioth	+60° 50.9′	+8.3′	+32.8′	60	1.8
34	Alkaid	+51° 06.7′	+8.9′	+34.9′	67	1.9
41	Alphecca	+20° 56.4′	+9.2′	+36.4′	73	2.2
37	Arcturus	+27° 58.0′	+9.6′	+37.9′	93	-0.0
-3	Moon(8)	+1° 37.0′	+8.1′	-598.1′	119	-12.7
33	Spica	+11° 30.1′	+8.0′	+31.4′	124	1.0
-2	Venus	+11° 47.3′	+7.9′	+48.2′	125	-5.1
28	Denebola	+45° 48.7′	+7.2′	+27.9′	132	2.1
29	Gienah	+14° 04.6′	+6.0′	+23.2′	142	2.6
26	Regulus	+51° 22.1′	+1.9′	+6.9′	169	1.4
-5	Jupiter	+53° 42.5′	+0.7′	+0.1′	176	-2.1
-4	Mars	+55° 37.2′	+0.1′	-8.1′	180	0.3
25	Alphard	+31° 08.5′	-0.6′	-2.8′	184	2.0
19	Adhara	+3° 13.4′	-5.5′	-21.8′	215	1.5
20	Procyon	+38° 28.2′	-6.2′	-24.5′	220	0.4
18	Sirius	+12° 54.9′	-6.6′	-26.0′	223	-1.5
21	Pollux	+59° 02.3′	-7.9′	-31.4′	235	1.1
15	Alnilam	+17° 13.5′	-8.8′	-34.8′	246	1.7
11	Rigel	+8° 23.4′	-8.9′	-34.9′	246	0.1
16	Betelgeuse	+26° 57.9′	-8.9′	-35.2′	248	0.5
13	Bellatrix	+21° 35.6′	-9.3′	-36.4′	253	1.6
10	Aldebaran	+21° 34.5′	-9.7′	-37.9′	270	0.8
14	Elnath	+38° 19.8′	-9.7′	-37.9′	270	1.6
12	Capella	+47° 19.7′	-9.0′	-35.3′	291	0.1
6	Hamal	+4° 18.2′	-8.2′	-31.9′	302	2.0
9	Mirfak	+34° 01.0′	-7.5′	-29.3′	309	1.8
3	Schedar	+23° 03.4′	-4.1′	-15.9′	335	2.2
58	Polaris	+49° 55.8′	-0.2′	-0.6′	359	2.0

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-09
Time : 16h 26m 00.0s UTC
LHA Aries : 303° 31.8′
Height Sun : -5° 57.0′

#	Name	H	dH/m	dH/d	Z	m
58	Polaris	+49° 52.2′	+0.2′	+0.6′	1	2.0
12	Capella	+13° 16.8′	+4.8′	+18.9′	30	0.1
9	Mirfak	+27° 17.8′	+6.7′	+26.2′	44	1.8
3	Schedar	+51° 06.4′	+7.8′	+30.6′	54	2.2
6	Hamal	+18° 41.7′	+9.3′	+36.7′	75	2.0
1	Alpheratz	+41° 35.2′	+9.7′	+37.9′	92	2.1
-6	Saturn	+16° 13.2′	+9.2′	+36.9′	109	0.7
57	Markab	+40° 59.8′	+8.4′	+32.9′	119	2.5
53	Deneb	+83° 22.0′	+7.2′	+27.3′	132	1.2
56	Fomalhaut	+2° 29.1′	+5.6′	+21.6′	145	1.2
54	Enif	+45° 44.3′	+5.3′	+20.4′	147	2.4

51	Altair	:	+48° 39.9′	-1.4′	-5.9′	188	0.8
50	Nunki	:	+11° 48.8′	-2.9′	-11.8′	198	2.0
48	Kaus Australis	:	+2° 16.5′	-3.6′	-14.5′	202	1.9
44	Sabik	:	+12° 59.9′	-6.8′	-26.9′	225	2.4
46	Rasalhague	:	+40° 34.5′	-7.9′	-31.2′	235	2.1
49	Vega	:	+69° 37.0′	-8.8′	-34.8′	246	0.0
41	Alphecca	:	+32° 56.7′	-9.6′	-37.9′	273	2.2
37	Arcturus	:	+14° 54.7′	-9.5′	-37.1′	282	-0.0
47	Eltanin	:	+68° 29.7′	-9.2′	-36.2′	287	2.2
34	Alkaid	:	+32° 13.2′	-7.4′	-29.0′	310	1.9
32	Alioth	:	+30° 47.7′	-6.0′	-23.2′	322	1.8
40	Kochab	:	+49° 53.1′	-4.1′	-16.0′	335	2.1
27	Dubhe	:	+26° 44.3′	-3.5′	-13.6′	339	1.8

```
          Latitude :  +50° 01.3′
         Longitude :   +8° 10.2′

       Height (min) :    0°
   Magnitude (max) :    4.0

Sun distance (min) :   30°
   Cut angle (min) :   30°
```

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-12
Time : 6h 00m 00.0s UTC
LHA Aries : 149° 33.5′
Height Sun : -5° 59.1′

#	Name	H	dH/m	dH/d	Z	m
53	Deneb	+6° 48.9′	+2.2′	+8.9′	13	1.2
40	Kochab	+52° 00.7′	+4.1′	+16.2′	25	2.1
27	Dubhe	+75° 09.4′	+5.2′	+20.0′	32	1.8
47	Eltanin	+23° 38.9′	+5.7′	+22.5′	36	2.2
49	Vega	+9° 09.4′	+5.9′	+23.1′	37	0.0
32	Alioth	+63° 11.5′	+8.4′	+33.0′	60	1.8
34	Alkaid	+53° 36.7′	+9.0′	+35.3′	68	1.9
41	Alphecca	+23° 32.9′	+9.4′	+36.9′	76	2.2
37	Arcturus	+30° 39.6′	+9.6′	+37.6′	97	-0.0
33	Spica	+13° 42.4′	+7.7′	+30.0′	127	1.0
-2	Venus	+14° 43.4′	+7.6′	+40.8′	128	-5.3
28	Denebola	+47° 44.0′	+6.5′	+25.4′	137	2.1
29	Gienah	+15° 40.5′	+5.4′	+21.1′	146	2.6
26	Regulus	+51° 44.4′	+0.8′	+2.5′	175	1.4
-5	Jupiter	+53° 39.1′	-0.4′	-3.6′	182	-2.1
-4	Mars	+55° 09.4′	-0.7′	-9.6′	184	0.3
25	Alphard	+30° 51.5′	-1.4′	-5.9′	188	2.0
19	Adhara	+1° 37.3′	-5.9′	-23.5′	218	1.5
20	Procyon	+36° 39.4′	-6.8′	-26.8′	225	0.4
18	Sirius	+11° 00.9′	-7.0′	-27.7′	226	-1.5
21	Pollux	+56° 44.6′	-8.4′	-33.3′	241	1.1
15	Alnilam	+14° 43.0′	-9.1′	-35.7′	250	1.7
11	Rigel	+5° 52.8′	-9.1′	-35.7′	250	0.1
16	Betelgeuse	+24° 25.9′	-9.2′	-36.0′	251	0.5
13	Bellatrix	+18° 58.8′	-9.4′	-37.0′	257	1.6
10	Aldebaran	+18° 52.3′	-9.6′	-37.8′	274	0.8
14	Elnath	+35° 37.6′	-9.6′	-37.8′	274	1.6
12	Capella	+44° 49.3′	-8.9′	-34.8′	293	0.1
6	Hamal	+2° 03.5′	-7.9′	-30.7′	305	2.0
9	Mirfak	+31° 57.2′	-7.3′	-28.4′	311	1.8
3	Schedar	+21° 57.5′	-3.8′	-14.6′	337	2.2
58	Polaris	+49° 53.1′	-0.2′	-0.6′	359	2.0

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-12
Time : 16h 22m 00.0s UTC
LHA Aries : 305° 29.1′
Height Sun : -5° 56.3′

#	Name	H	dH/m	dH/d	Z	m
58	Polaris	+49° 53.4′	+0.2′	+0.6′	1	2.0
12	Capella	+13° 54.8′	+5.0′	+19.6′	31	0.1
9	Mirfak	+28° 10.2′	+6.8′	+26.7′	45	1.8
3	Schedar	+52° 07.3′	+7.8′	+30.8′	54	2.2
6	Hamal	+19° 54.9′	+9.4′	+37.0′	77	2.0
1	Alpheratz	+42° 50.4′	+9.6′	+37.8′	94	2.1
-6	Saturn	+17° 27.0′	+9.1′	+36.4′	110	0.7
4	Diphda	+0° 56.4′	+8.4′	+32.8′	120	2.0
57	Markab	+42° 04.8′	+8.2′	+32.2′	121	2.5
53	Deneb	+84° 13.8′	+6.0′	+22.0′	142	1.2
56	Fomalhaut	+3° 11.5′	+5.3′	+20.7′	146	1.2
54	Enif	+46° 24.2′	+4.9′	+18.9′	149	2.4

51	Altair	:	+48° 27.2′	-1.9′	-7.8′	191	0.8
50	Nunki	:	+11° 24.9′	-3.2′	-12.9′	199	2.0
-3	Moon(13)	:	+10° 03.7′	-3.6′	+269.4′	203	-12.7
48	Kaus Australis	:	+1° 47.3′	-3.9′	-15.4′	204	1.9
-3	Moon(12)	:	+5° 24.9′	-5.1′	+278.7′	213	-12.7
-3	Moon(11)	:	+0° 44.3′	-6.4′	+280.6′	223	-12.7
44	Sabik	:	+12° 05.9′	-7.0′	-27.7′	227	2.4
46	Rasalhague	:	+39° 32.1′	-8.1′	-32.0′	237	2.1
49	Vega	:	+68° 27.5′	-9.0′	-35.5′	249	0.0
41	Alphecca	:	+31° 41.5′	-9.6′	-37.8′	275	2.2
37	Arcturus	:	+13° 41.2′	-9.4′	-36.8′	283	-0.0
47	Eltanin	:	+67° 17.8′	-9.2′	-36.1′	288	2.2
34	Alkaid	:	+31° 15.8′	-7.3′	-28.6′	311	1.9
32	Alioth	:	+30° 01.8′	-5.8′	-22.8′	323	1.8
40	Kochab	:	+49° 21.5′	-4.0′	-15.9′	335	2.1
27	Dubhe	:	+26° 17.5′	-3.4′	-13.0′	340	1.8

```
         Latitude :  +50° 01.3′
        Longitude :   +8° 10.2′

      Height (min) :    0°
   Magnitude (max) :    4.0

Sun distance (min) :   30°
   Cut angle (min) :   30°

             Date : 2026-11-12
             Time :  11h 00m 00.0s UTC
        LHA Aries :  224° 45.8′

                  # Name             :      H             dH/m    dH/d          Z    m

                 -3 Moon(13)         :   +0° 08.7′        +6.6′ -255.4′       135 -12.7
                 -3 Moon(12)         :   +4° 34.8′        +5.3′ -266.0′       145 -12.7
                  0 Sun              :  +22° 10.3′        +0.5′  -16.1′       177 -26.7



             Date : 2026-11-12
             Time :  11h 30m 00.0s UTC
        LHA Aries :  232° 17.1′

                  # Name             :      H             dH/m    dH/d          Z    m

                 -3 Moon(13)         :   +3° 17.2′        +5.9′ -220.2′       141 -12.7
                 -3 Moon(12)         :   +7° 02.0′        +4.5′ -224.8′       151 -12.7
                  0 Sun              :  +22° 05.4′        -0.8′  -15.9′       185 -26.7



             Date : 2026-11-12
             Time :  12h 00m 00.0s UTC
        LHA Aries :  239° 48.3′

                  # Name             :      H             dH/m    dH/d          Z    m

                 -3 Moon(13)         :   +6° 04.0′        +5.1′ -180.8′       147 -12.7
                 -3 Moon(12)         :   +9° 03.5′        +3.6′ -179.5′       157 -12.7
                  0 Sun              :  +21° 21.9′        -2.1′  -15.6′       192 -26.7



             Date : 2026-11-12
             Time :  12h 30m 00.0s UTC
        LHA Aries :  247° 19.5′

                  # Name             :      H             dH/m    dH/d          Z    m

                 -3 Moon(13)         :   +8° 26.6′        +4.3′ -137.2′       153 -12.7
                 -3 Moon(12)         :  +10° 37.0′        +2.6′ -130.4′       164 -12.7
                  0 Sun              :  +20° 01.0′        -3.3′  -15.1′       200 -26.7



             Date : 2026-11-12
             Time :  13h 00m 00.0s UTC
        LHA Aries :  254° 50.7′

                  # Name             :      H             dH/m    dH/d          Z    m

                 -3 Moon(13)         :  +10° 22.7′        +3.3′  -89.7′       159 -12.7
                 -3 Moon(12)         :  +11° 40.8′        +1.6′  -78.1′       170 -12.7
                  0 Sun              :  +18° 05.2′        -4.4′  -14.6′       207 -26.7



             Date : 2026-11-12
             Time :  13h 30m 00.0s UTC
        LHA Aries :  262° 22.0′

                  # Name             :      H             dH/m    dH/d          Z    m

                 -3 Moon(13)         :  +11° 50.0′        +2.4′  -38.8′       165 -12.7
                 -3 Moon(12)         :  +12° 13.4′        +0.6′  -23.5′       177 -12.7
                  0 Sun              :  +15° 37.4′        -5.4′  -14.1′       214 -26.7
```

Date : 2026-11-12
Time : 14h 00m 00.0s UTC
LHA Aries : 269° 53.2′

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(13)	:	+12° 46.7′	+1.3′	+14.7′	172	-12.7
-3	Moon(12)	:	+12° 14.3′	-0.5′	+32.4′	183	-12.7
0	Sun	:	+12° 40.9′	-6.3′	-13.5′	221	-26.7

Date : 2026-11-12
Time : 14h 30m 00.0s UTC
LHA Aries : 277° 24.5′

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(13)	:	+13° 11.8′	+0.2′	+69.9′	179	-12.7
-3	Moon(12)	:	+11° 43.4′	-1.6′	+88.4′	190	-12.7
0	Sun	:	+9° 19.4′	-7.1′	-12.9′	227	-26.7

Date : 2026-11-12
Time : 15h 00m 00.0s UTC
LHA Aries : 284° 55.7′

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(13)	:	+13° 04.5′	-0.8′	+125.4′	185	-12.7
-3	Moon(12)	:	+10° 41.4′	-2.6′	+143.2′	196	-12.7
0	Sun	:	+5° 36.4′	-7.7′	-12.3′	233	-26.7

Date : 2026-11-12
Time : 15h 30m 00.0s UTC
LHA Aries : 292° 26.9′

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(13)	:	+12° 25.2′	-1.9′	+180.1′	192	-12.7
-3	Moon(12)	:	+9° 09.5′	-3.6′	+195.7′	202	-12.7
0	Sun	:	+1° 35.3′	-8.3′	-11.9′	239	-26.7

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-15
Time : 6h 04m 00.0s UTC
LHA Aries : 153° 31.1′
Height Sun : -6° 03.9′

#	Name	H	dH/m	dH/d	Z	m
53	Deneb	+7° 27.6′	+2.7′	+10.7′	16	1.2
40	Kochab	+53° 06.0′	+4.1′	+16.2′	25	2.1
27	Dubhe	+76° 24.9′	+4.3′	+16.6′	27	1.8
47	Eltanin	+25° 11.3′	+6.0′	+23.6′	38	2.2
49	Vega	+10° 44.7′	+6.2′	+24.5′	40	0.0
32	Alioth	+65° 24.5′	+8.4′	+33.1′	61	1.8
34	Alkaid	+55° 59.5′	+9.1′	+35.7′	70	1.9
41	Alphecca	+26° 01.8′	+9.5′	+37.3′	79	2.2
37	Arcturus	+33° 10.6′	+9.5′	+37.3′	100	-0.0
39	Zubenelgenubi	+0° 07.7′	+8.7′	+34.0′	116	2.8
33	Spica	+15° 41.1′	+7.3′	+28.6′	131	1.0
-2	Venus	+17° 08.4′	+7.3′	+33.7′	131	-5.4
28	Denebola	+49° 22.1′	+5.9′	+22.7′	143	2.1
29	Gienah	+17° 02.5′	+4.9′	+19.1′	149	2.6
26	Regulus	+51° 48.2′	-0.3′	-1.6′	182	1.4
-5	Jupiter	+53° 20.7′	-1.4′	-7.1′	188	-2.1
-4	Mars	+54° 34.5′	-1.4′	-11.0′	189	0.2
25	Alphard	+30° 23.1′	-2.2′	-8.9′	193	2.0
19	Adhara	+0° 00.3′	-6.3′	-25.1′	221	1.5
20	Procyon	+34° 48.4′	-7.3′	-28.8′	229	0.4
18	Sirius	+9° 07.3′	-7.4′	-29.1′	230	-1.5
21	Pollux	+54° 28.5′	-8.8′	-34.7′	246	1.1
11	Rigel	+3° 28.1′	-9.2′	-36.3′	253	0.1
15	Alnilam	+12° 18.5′	-9.2′	-36.3′	253	1.7
16	Betelgeuse	+22° 00.0′	-9.3′	-36.6′	255	0.5
13	Bellatrix	+16° 29.3′	-9.5′	-37.4′	260	1.6
10	Aldebaran	+16° 20.3′	-9.6′	-37.7′	276	0.8
14	Elnath	+33° 05.6′	-9.6′	-37.7′	276	1.6
12	Capella	+42° 30.2′	-8.7′	-34.2′	295	0.1
6	Hamal	+0° 01.6′	-7.6′	-29.5′	308	2.0
9	Mirfak	+30° 04.4′	-7.0′	-27.5′	313	1.8
3	Schedar	+21° 00.9′	-3.4′	-13.3′	339	2.2
58	Polaris	+49° 50.6′	-0.2′	-0.6′	359	2.0

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-15
Time : 16h 19m 00.0s UTC
LHA Aries : 307° 41.3′
Height Sun : -6° 01.6′

#	Name	H	dH/m	dH/d	Z	m
58	Polaris	+49° 54.9′	+0.2′	+0.6′	1	2.0
12	Capella	+14° 39.2′	+5.2′	+20.4′	32	0.1
9	Mirfak	+29° 10.4′	+6.9′	+27.2′	46	1.8
3	Schedar	+53° 16.5′	+7.9′	+31.0′	55	2.2
6	Hamal	+21° 17.8′	+9.5′	+37.2′	78	2.0
1	Alpheratz	+44° 15.1′	+9.6′	+37.7′	96	2.1
-6	Saturn	+18° 48.7′	+8.9′	+35.8′	112	0.7
4	Diphda	+2° 09.5′	+8.2′	+32.2′	121	2.0
57	Markab	+43° 16.4′	+8.0′	+31.3′	124	2.5
56	Fomalhaut	+3° 57.4′	+5.1′	+19.7′	148	1.2
54	Enif	+47° 05.5′	+4.5′	+17.2′	152	2.4

53 Deneb	:	+84° 58.1′	+3.9′	+13.0′	156 1.2
-3 Moon(16)	:	+22° 24.4′	+1.6′	+179.8′	170 -12.7
-3 Moon(15)	:	+18° 45.4′	-0.2′	+219.1′	181 -12.7
-3 Moon(14)	:	+14° 38.8′	-2.0′	+246.6′	192 -12.7
51 Altair	:	+48° 08.4′	-2.4′	-9.9′	194 0.8
50 Nunki	:	+10° 55.3′	-3.5′	-14.1′	201 2.0
48 Kaus Australis	:	+1° 12.1′	-4.1′	-16.5′	205 1.9
44 Sabik	:	+11° 03.3′	-7.2′	-28.6′	228 2.4
46 Rasalhague	:	+38° 20.0′	-8.3′	-32.7′	239 2.1
49 Vega	:	+67° 07.6′	-9.2′	-36.1′	251 0.0
41 Alphecca	:	+30° 17.0′	-9.6′	-37.7′	276 2.2
37 Arcturus	:	+12° 18.8′	-9.3′	-36.6′	285 -0.0
47 Eltanin	:	+65° 57.0′	-9.2′	-36.0′	288 2.2
34 Alkaid	:	+30° 12.0′	-7.2′	-28.1′	312 1.9
32 Alioth	:	+29° 11.2′	-5.7′	-22.2′	324 1.8
40 Kochab	:	+48° 46.0′	-4.0′	-15.7′	335 2.1
27 Dubhe	:	+25° 48.8′	-3.2′	-12.4′	341 1.8

```
         Latitude :  +50° 01.3′
        Longitude :   +8° 10.2′

       Height (min) :    0°
   Magnitude (max) :    4.0

Sun distance (min) :   30°
   Cut angle (min) :   30°

             Date : 2026-11-15
             Time :   9h 30m 00.0s UTC
        LHA Aries :  205° 09.5′

                 # Name             :      H             dH/m    dH/d          Z    m

                 0 Sun              :  +17° 50.7′        +4.1′  -15.2′       155 -26.7
                -2 Venus            :  +29° 41.9′        -0.9′   +7.6′       185  -5.4


             Date : 2026-11-15
             Time :  10h 00m 00.0s UTC
        LHA Aries :  212° 40.8′

                 # Name             :      H             dH/m    dH/d          Z    m

                 0 Sun              :  +19° 37.5′        +3.0′  -15.3′       162 -26.7
                -2 Venus            :  +28° 55.3′        -2.3′   +2.8′       194  -5.4


             Date : 2026-11-15
             Time :  10h 30m 00.0s UTC
        LHA Aries :  220° 12.0′

                 # Name             :      H             dH/m    dH/d          Z    m

                 0 Sun              :  +20° 48.9′        +1.8′  -15.3′       169 -26.7
                -2 Venus            :  +27° 27.7′        -3.6′   -1.8′       202  -5.4


             Date : 2026-11-15
             Time :  11h 00m 00.0s UTC
        LHA Aries :  227° 43.2′

                 # Name             :      H             dH/m    dH/d          Z    m

                 0 Sun              :  +21° 23.0′        +0.5′  -15.1′       177 -26.7
                -2 Venus            :  +25° 22.1′        -4.8′   -6.0′       210  -5.4


             Date : 2026-11-15
             Time :  11h 30m 00.0s UTC
        LHA Aries :  235° 14.5′

                 # Name             :      H             dH/m    dH/d          Z    m

                 0 Sun              :  +21° 18.7′        -0.8′  -14.9′       185 -26.7
                -2 Venus            :  +22° 42.5′        -5.8′   -9.8′       217  -5.4


             Date : 2026-11-15
             Time :  12h 00m 00.0s UTC
        LHA Aries :  242° 45.7′

                 # Name             :      H             dH/m    dH/d          Z    m

                -3 Moon(15)         :   +0° 05.3′        +7.6′ -171.2′       126 -12.7
                -3 Moon(14)         :   +3° 03.2′        +6.5′ -177.8′       136 -12.7
                 0 Sun              :  +20° 36.2′        -2.0′  -14.5′       192 -26.7
                -2 Venus            :  +19° 33.3′        -6.8′  -13.1′       224  -5.4
```

Date : 2026-11-15
Time : 12h 30m 00.0s UTC
LHA Aries : 250° 16.9′

#	Name	H	dH/m	dH/d	Z	m
-3	Moon(16)	+1° 27.0′	+8.0′	-140.3′	120	-12.7
-3	Moon(15)	+3° 48.7′	+7.0′	-141.7′	131	-12.7
-3	Moon(14)	+6° 09.4′	+5.7′	-140.8′	142	-12.7
0	Sun	+19° 16.7′	-3.2′	-14.1′	200	-26.7
-2	Venus	+15° 58.7′	-7.5′	-15.9′	231	-5.4

Date : 2026-11-15
Time : 13h 00m 00.0s UTC
LHA Aries : 257° 48.2′

#	Name	H	dH/m	dH/d	Z	m
-3	Moon(16)	+5° 26.2′	+7.5′	-114.5′	126	-12.7
-3	Moon(15)	+7° 13.7′	+6.4′	-107.4′	137	-12.7
-3	Moon(14)	+8° 53.0′	+4.9′	-99.3′	148	-12.7
0	Sun	+17° 22.4′	-4.3′	-13.5′	207	-26.7
-2	Venus	+12° 03.1′	-8.2′	-18.3′	238	-5.4

Date : 2026-11-15
Time : 13h 30m 00.0s UTC
LHA Aries : 265° 19.4′

#	Name	H	dH/m	dH/d	Z	m
-3	Moon(16)	+9° 08.9′	+6.9′	-83.7′	132	-12.7
-3	Moon(15)	+10° 17.5′	+5.6′	-68.5′	143	-12.7
-3	Moon(14)	+11° 11.2′	+4.0′	-53.7′	154	-12.7
0	Sun	+14° 56.3′	-5.4′	-13.0′	214	-26.7
-2	Venus	+7° 50.5′	-8.7′	-20.2′	244	-5.4

Date : 2026-11-15
Time : 14h 00m 00.0s UTC
LHA Aries : 272° 50.6′

#	Name	H	dH/m	dH/d	Z	m
-3	Moon(16)	+12° 32.1′	+6.2′	-47.7′	138	-12.7
-3	Moon(15)	+12° 57.1′	+4.7′	-25.1′	149	-12.7
-3	Moon(14)	+13° 01.5′	+3.1′	-4.3′	161	-12.7
0	Sun	+12° 01.5′	-6.3′	-12.4′	220	-26.7
-2	Venus	+3° 24.3′	-9.1′	-21.7′	250	-5.4

Date : 2026-11-15
Time : 14h 30m 00.0s UTC
LHA Aries : 280° 21.9′

#	Name	H	dH/m	dH/d	Z	m
-3	Moon(16)	+15° 32.4′	+5.4′	-6.6′	145	-12.7
-3	Moon(15)	+15° 09.7′	+3.8′	+22.7′	156	-12.7
-3	Moon(14)	+14° 21.6′	+2.0′	+48.1′	167	-12.7
0	Sun	+8° 41.8′	-7.0′	-11.8′	227	-26.7

Date : 2026-11-15
Time : 15h 00m 00.0s UTC
LHA Aries : 287° 53.1′

#	Name	H	dH/m	dH/d	Z	m
-3	Moon(16)	+18° 06.6′	+4.5′	+39.4′	151	-12.7
-3	Moon(15)	+16° 52.5′	+2.7′	+74.1′	163	-12.7
-3	Moon(14)	+15° 09.9′	+1.0′	+102.6′	174	-12.7
0	Sun	+5° 00.4′	-7.7′	-11.2′	233	-26.7

Date : 2026-11-15
Time : 15h 30m 00.0s UTC
LHA Aries : 295° 24.3′

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(16)	:	+20° 11.3′	+3.4′	+90.0′	158	-12.7
-3	Moon(15)	:	+18° 03.2′	+1.6′	+128.2′	170	-12.7
-3	Moon(14)	:	+15° 25.3′	-0.2′	+157.9′	181	-12.7
0	Sun	:	+1° 00.9′	-8.2′	-10.7′	239	-26.7

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-18
Time : 6h 09m 00.0s UTC
LHA Aries : 157° 43.7′
Height Sun : -5° 58.9′

#	Name	H	dH/m	dH/d	Z	m
53	Deneb	+8° 16.3′	+3.1′	+12.5′	19	1.2
27	Dubhe	+77° 28.5′	+3.2′	+11.8′	19	1.8
40	Kochab	+54° 15.3′	+4.1′	+16.2′	25	2.1
47	Eltanin	+26° 54.3′	+6.3′	+24.8′	40	2.2
49	Vega	+12° 31.9′	+6.6′	+25.9′	43	0.0
32	Alioth	+67° 46.3′	+8.5′	+33.2′	61	1.8
34	Alkaid	+58° 33.1′	+9.2′	+36.1′	72	1.9
41	Alphecca	+28° 41.8′	+9.6′	+37.6′	82	2.2
37	Arcturus	+35° 49.5′	+9.4′	+36.8′	104	-0.0
39	Zubenelgenubi	+2° 31.7′	+8.4′	+33.0′	119	2.8
-2	Venus	+19° 17.9′	+6.9′	+26.8′	134	-5.5
33	Spica	+17° 40.6′	+6.9′	+26.9′	134	1.0
28	Denebola	+50° 53.8′	+5.0′	+19.4′	149	2.1
29	Gienah	+18° 20.3′	+4.3′	+16.7′	153	2.6
26	Regulus	+51° 34.0′	-1.4′	-6.0′	188	1.4
-4	Mars	+53° 50.3′	-2.2′	-12.6′	193	0.2
-5	Jupiter	+52° 45.5′	-2.5′	-10.7′	195	-2.2
25	Alphard	+29° 40.2′	-2.9′	-11.9′	198	2.0
20	Procyon	+32° 42.3′	-7.7′	-30.6′	233	0.4
18	Sirius	+7° 00.3′	-7.7′	-30.5′	233	-1.5
21	Pollux	+51° 58.2′	-9.1′	-35.8′	250	1.1
11	Rigel	+0° 51.7′	-9.4′	-36.9′	256	0.1
15	Alnilam	+9° 42.0′	-9.4′	-36.9′	256	1.7
16	Betelgeuse	+19° 22.3′	-9.5′	-37.2′	258	0.5
13	Bellatrix	+13° 48.7′	-9.6′	-37.7′	263	1.6
14	Elnath	+30° 24.9′	-9.5′	-37.4′	279	1.6
10	Aldebaran	+13° 39.6′	-9.5′	-37.4′	280	0.8
12	Capella	+40° 04.7′	-8.6′	-33.6′	297	0.1
9	Mirfak	+28° 08.5′	-6.8′	-26.5′	316	1.8
3	Schedar	+20° 06.4′	-3.1′	-11.8′	342	2.2
58	Polaris	+49° 48.0′	-0.2′	-0.6′	359	2.0

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-18
Time : 16h 16m 00.0s UTC
LHA Aries : 309° 53.6′
Height Sun : -6° 03.9′

#	Name	H	dH/m	dH/d	Z	m
58	Polaris	+49° 56.3′	+0.2′	+0.6′	1	2.0
12	Capella	+15° 25.4′	+5.3′	+21.2′	34	0.1
9	Mirfak	+30° 11.8′	+7.0′	+27.8′	47	1.8
3	Schedar	+54° 26.2′	+8.0′	+31.3′	55	2.2
6	Hamal	+22° 41.3′	+9.5′	+37.4′	80	2.0
1	Alpheratz	+45° 39.5′	+9.6′	+37.6′	98	2.1
-6	Saturn	+20° 09.0′	+8.8′	+35.2′	114	0.7
4	Diphda	+3° 21.3′	+8.1′	+31.6′	123	2.0
57	Markab	+44° 25.9′	+7.8′	+30.3′	126	2.5
-3	Moon(19)	+28° 06.7′	+7.0′	-29.6′	131	-12.7
-3	Moon(18)	+27° 14.1′	+5.4′	+52.7′	145	-12.7
56	Fomalhaut	+4° 41.0′	+4.8′	+18.7′	150	1.2
54	Enif	+47° 42.9′	+4.0′	+15.3′	155	2.4

-3	Moon(17)	:	+25° 13.1′	+3.5′	+121.0′	158	-12.7
53	Deneb	:	+85° 20.2′	+1.0′	+1.1′	174	1.2
51	Altair	:	+47° 45.0′	-2.9′	-11.9′	198	0.8
50	Nunki	:	+10° 23.1′	-3.8′	-15.2′	203	2.0
48	Kaus Australis	:	+0° 34.6′	-4.4′	-17.5′	207	1.9
44	Sabik	:	+9° 58.8′	-7.4′	-29.4′	230	2.4
46	Rasalhague	:	+37° 06.1′	-8.5′	-33.5′	241	2.1
49	Vega	:	+65° 46.4′	-9.3′	-36.6′	254	0.0
41	Alphecca	:	+28° 52.6′	-9.6′	-37.5′	278	2.2
37	Arcturus	:	+10° 57.0′	-9.3′	-36.3′	287	-0.0
47	Eltanin	:	+64° 36.5′	-9.1′	-35.8′	289	2.2
34	Alkaid	:	+29° 09.4′	-7.1′	-27.6′	313	1.9
32	Alioth	:	+28° 21.8′	-5.5′	-21.6′	325	1.8
40	Kochab	:	+48° 10.8′	-4.0′	-15.6′	336	2.1
27	Dubhe	:	+25° 21.4′	-3.0′	-11.7′	342	1.8

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-18
Time : 9h 00m 00.0s UTC
LHA Aries : 200° 35.7′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+14° 47.3′	+5.1′	-14.2′	148	-26.7
-2	Venus	+30° 17.8′	+0.1′	+7.4′	179	-5.5

Date : 2026-11-18
Time : 9h 30m 00.0s UTC
LHA Aries : 208° 06.9′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+17° 06.1′	+4.1′	-14.3′	155	-26.7
-2	Venus	+30° 00.0′	-1.3′	+3.2′	188	-5.5

Date : 2026-11-18
Time : 10h 00m 00.0s UTC
LHA Aries : 215° 38.2′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+18° 52.6′	+3.0′	-14.4′	162	-26.7
-2	Venus	+28° 59.7′	-2.7′	-1.0′	196	-5.5

Date : 2026-11-18
Time : 10h 30m 00.0s UTC
LHA Aries : 223° 09.4′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+20° 04.1′	+1.8′	-14.3′	169	-26.7
-2	Venus	+27° 19.0′	-4.0′	-4.9′	204	-5.5

Date : 2026-11-18
Time : 11h 00m 00.0s UTC
LHA Aries : 230° 40.6′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+20° 38.5′	+0.5′	-14.1′	177	-26.7
-2	Venus	+25° 01.5′	-5.2′	-8.5′	212	-5.5

Date : 2026-11-18
Time : 11h 30m 00.0s UTC
LHA Aries : 238° 11.9′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+20° 35.0′	-0.7′	-13.9′	184	-26.7
-2	Venus	+22° 11.2′	-6.2′	-11.6′	220	-5.5

Date : 2026-11-18
Time : 12h 00m 00.0s UTC
LHA Aries : 245° 43.1′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+19° 53.7′	-2.0′	-13.4′	192	-26.7
-2	Venus	+18° 52.6′	-7.1′	-14.3′	227	-5.5

Date : 2026-11-18
Time : 12h 30m 00.0s UTC
LHA Aries : 253° 14.4′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+18° 35.6′	-3.2′	-13.0′	199	-26.7
-2	Venus	+15° 10.1′	-7.8′	-16.6′	234	-5.5

Date : 2026-11-18
Time : 13h 00m 00.0s UTC
LHA Aries : 260° 45.6′

#	Name	H	dH/m	dH/d	Z	m
-3	Moon(18)	+1° 31.1′	+9.1′	-125.6′	104	-12.7
-3	Moon(17)	+3° 31.7′	+8.5′	-120.7′	115	-12.7
0	Sun	+16° 42.9′	-4.3′	-12.4′	206	-26.7
-2	Venus	+11° 08.0′	-8.4′	-18.5′	240	-5.5

Date : 2026-11-18
Time : 13h 30m 00.0s UTC
LHA Aries : 268° 16.8′

#	Name	H	dH/m	dH/d	Z	m
-3	Moon(19)	+4° 10.9′	+9.2′	-130.5′	97	-12.7
-3	Moon(18)	+6° 06.0′	+8.8′	-115.1′	109	-12.7
-3	Moon(17)	+7° 45.3′	+8.0′	-99.3′	121	-12.7
0	Sun	+14° 18.5′	-5.3′	-11.8′	213	-26.7
-2	Venus	+6° 50.1′	-8.8′	-20.0′	246	-5.5

Date : 2026-11-18
Time : 14h 00m 00.0s UTC
LHA Aries : 275° 48.1′

#	Name	H	dH/m	dH/d	Z	m
-3	Moon(19)	+8° 52.9′	+9.1′	-126.6′	103	-12.7
-3	Moon(18)	+10° 31.9′	+8.5′	-99.0′	115	-12.7
-3	Moon(17)	+11° 44.3′	+7.5′	-72.4′	127	-12.7
0	Sun	+11° 25.5′	-6.2′	-11.2′	220	-26.7
-2	Venus	+2° 19.8′	-9.2′	-21.1′	252	-5.5

Date : 2026-11-18
Time : 14h 30m 00.0s UTC
LHA Aries : 283° 19.3′

#	Name	H	dH/m	dH/d	Z	m
-3	Moon(19)	+13° 28.8′	+8.8′	-116.9′	109	-12.7
-3	Moon(18)	+14° 45.8′	+8.0′	-77.0′	121	-12.7
-3	Moon(17)	+15° 25.8′	+6.8′	-40.0′	133	-12.7
0	Sun	+8° 07.5′	-7.0′	-10.7′	226	-26.7

Date : 2026-11-18
Time : 15h 00m 00.0s UTC
LHA Aries : 290° 50.5′

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(19)	:	+17° 55.5′	+8.5′	-101.0′	115	-12.7
-3	Moon(18)	:	+18° 44.4′	+7.4′	-48.9′	127	-12.7
-3	Moon(17)	:	+18° 46.0′	+6.1′	-1.6′	139	-12.7
0	Sun	:	+4° 27.9′	-7.6′	-10.1′	232	-26.7

Date : 2026-11-18
Time : 15h 30m 00.0s UTC
LHA Aries : 298° 21.7′

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(19)	:	+22° 09.8′	+8.0′	-78.5′	121	-12.7
-3	Moon(18)	:	+22° 23.9′	+6.7′	-14.1′	134	-12.7
-3	Moon(17)	:	+21° 41.3′	+5.2′	+42.6′	146	-12.7
0	Sun	:	+0° 29.8′	-8.2′	-9.6′	238	-26.7

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-21
Time : 6h 13m 00.0s UTC
LHA Aries : 161° 41.3′
Height Sun : -6° 01.9′

#	Name	H	dH/m	dH/d	Z	m
27	Dubhe	+78° 08.2′	+1.8′	+6.4′	11	1.8
53	Deneb	+9° 09.1′	+3.6′	+14.1′	22	1.2
40	Kochab	+55° 20.1′	+4.1′	+16.0′	25	2.1
47	Eltanin	+28° 35.4′	+6.5′	+25.8′	43	2.2
49	Vega	+14° 18.1′	+6.9′	+27.1′	45	0.0
32	Alioth	+69° 59.8′	+8.4′	+33.1′	61	1.8
46	Rasalhague	+1° 50.8′	+9.2′	+36.3′	73	2.1
34	Alkaid	+60° 59.1′	+9.3′	+36.5′	74	1.9
41	Alphecca	+31° 13.4′	+9.6′	+37.8′	85	2.2
37	Arcturus	+38° 16.7′	+9.2′	+36.2′	107	-0.0
39	Zubenelgenubi	+4° 43.0′	+8.2′	+32.0′	122	2.8
-2	Venus	+20° 59.0′	+6.6′	+20.6′	137	-5.6
33	Spica	+19° 26.1′	+6.5′	+25.1′	138	1.0
28	Denebola	+52° 06.8′	+4.2′	+16.0′	154	2.1
29	Gienah	+19° 24.3′	+3.8′	+14.4′	157	2.6
26	Regulus	+51° 03.8′	-2.4′	-10.0′	194	1.4
-4	Mars	+53° 00.6′	-2.9′	-14.0′	197	0.1
-5	Jupiter	+51° 57.8′	-3.4′	-14.0′	201	-2.2
25	Alphard	+28° 48.3′	-3.6′	-14.6′	202	2.0
18	Sirius	+4° 55.5′	-8.1′	-31.7′	236	-1.5
20	Procyon	+30° 37.0′	-8.1′	-32.0′	237	0.4
21	Pollux	+49° 32.9′	-9.3′	-36.6′	254	1.1
15	Alnilam	+7° 12.7′	-9.5′	-37.3′	259	1.7
16	Betelgeuse	+16° 52.2′	-9.6′	-37.5′	261	0.5
13	Bellatrix	+11° 16.6′	-9.6′	-37.9′	266	1.6
14	Elnath	+27° 55.0′	-9.4′	-37.0′	282	1.6
10	Aldebaran	+11° 09.8′	-9.4′	-37.0′	283	0.8
12	Capella	+37° 50.5′	-8.4′	-32.9′	299	0.1
9	Mirfak	+26° 23.5′	-6.5′	-25.5′	318	1.8
3	Schedar	+19° 20.8′	-2.7′	-10.5′	344	2.2
58	Polaris	+49° 45.7′	-0.1′	-0.6′	359	2.0

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-21
Time : 16h 13m 00.0s UTC
LHA Aries : 312° 05.9′
Height Sun : -6° 03.1′

#	Name	H	dH/m	dH/d	Z	m
58	Polaris	+49° 57.7′	+0.2′	+0.6′	1	2.0
12	Capella	+16° 13.3′	+5.5′	+21.9′	35	0.1
14	Elnath	+0° 18.4′	+6.5′	+25.7′	42	1.6
9	Mirfak	+31° 14.3′	+7.2′	+28.3′	48	1.8
3	Schedar	+55° 36.4′	+8.0′	+31.5′	56	2.2
6	Hamal	+24° 05.1′	+9.6′	+37.5′	81	2.0
8	Menkar	+0° 45.6′	+9.6′	+37.8′	84	2.5
-3	Moon(22)	+21° 33.0′	+9.3′	-298.8′	89	-12.7
1	Alpheratz	+47° 03.6′	+9.5′	+37.4′	100	2.1
-3	Moon(21)	+25° 08.1′	+9.1′	-215.0′	103	-12.7
-6	Saturn	+21° 27.9′	+8.7′	+34.5′	116	0.7
-3	Moon(20)	+27° 11.6′	+8.3′	-123.5′	117	-12.7
4	Diphda	+4° 31.7′	+7.9′	+30.9′	125	2.0

57 Markab	:	+45° 33.3′	+7.5′	+29.3′	129	2.5
56 Fomalhaut	:	+5° 22.3′	+4.6′	+17.7′	152	1.2
54 Enif	:	+48° 16.1′	+3.5′	+13.4′	159	2.4
53 Deneb	:	+85° 15.0′	-2.2′	-11.0′	193	1.2
51 Altair	:	+47° 17.1′	-3.4′	-13.9′	201	0.8
50 Nunki	:	+9° 48.2′	-4.1′	-16.4′	205	2.0
44 Sabik	:	+8° 52.6′	-7.6′	-30.1′	232	2.4
46 Rasalhague	:	+35° 50.7′	-8.7′	-34.1′	244	2.1
49 Vega	:	+64° 24.2′	-9.4′	-37.0′	257	0.0
41 Alphecca	:	+27° 28.6′	-9.5′	-37.4′	280	2.2
37 Arcturus	:	+9° 35.9′	-9.2′	-35.9′	288	-0.0
47 Eltanin	:	+63° 16.3′	-9.1′	-35.6′	290	2.2
34 Alkaid	:	+28° 07.9′	-6.9′	-27.0′	314	1.9
32 Alioth	:	+27° 33.7′	-5.4′	-21.0′	326	1.8
40 Kochab	:	+47° 36.0′	-3.9′	-15.4′	336	2.1
27 Dubhe	:	+24° 55.6′	-2.9′	-11.0′	343	1.8

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-21
Time : 8h 30m 00.0s UTC
LHA Aries : 196° 01.9′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+11° 18.0′	+6.0′	-13.3′	141	-26.7
-2	Venus	+30° 22.2′	+1.2′	+6.8′	173	-5.6

Date : 2026-11-21
Time : 9h 00m 00.0s UTC
LHA Aries : 203° 33.1′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+14° 05.4′	+5.1′	-13.4′	148	-26.7
-2	Venus	+30° 35.6′	-0.3′	+3.1′	182	-5.6

Date : 2026-11-21
Time : 9h 30m 00.0s UTC
LHA Aries : 211° 04.4′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+16° 23.9′	+4.1′	-13.5′	155	-26.7
-2	Venus	+30° 05.6′	-1.7′	-0.6′	190	-5.6

Date : 2026-11-21
Time : 10h 00m 00.0s UTC
LHA Aries : 218° 35.6′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+18° 10.3′	+3.0′	-13.4′	162	-26.7
-2	Venus	+28° 53.4′	-3.1′	-4.2′	199	-5.6

Date : 2026-11-21
Time : 10h 30m 00.0s UTC
LHA Aries : 226° 06.8′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+19° 22.1′	+1.8′	-13.3′	169	-26.7
-2	Venus	+27° 01.6′	-4.4′	-7.5′	207	-5.6

Date : 2026-11-21
Time : 11h 00m 00.0s UTC
LHA Aries : 233° 38.1′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+19° 57.2′	+0.6′	-13.1′	177	-26.7
-2	Venus	+24° 34.0′	-5.5′	-10.4′	215	-5.6

Date : 2026-11-21
Time : 11h 30m 00.0s UTC
LHA Aries : 241° 09.3′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+19° 54.6′	-0.7′	-12.8′	184	-26.7
-2	Venus	+21° 34.8′	-6.5′	-13.0′	222	-5.6

Date : 2026-11-21
Time : 12h 00m 00.0s UTC
LHA Aries : 248° 40.5′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+19° 14.4′	-1.9′	-12.3′	192	-26.7
-2	Venus	+18° 08.6′	-7.3′	-15.2′	229	-5.6

Date : 2026-11-21
Time : 12h 30m 00.0s UTC
LHA Aries : 256° 11.8′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+17° 57.8′	-3.1′	-11.8′	199	-26.7
-2	Venus	+14° 19.8′	-8.0′	-17.1′	236	-5.6

Date : 2026-11-21
Time : 13h 00m 00.0s UTC
LHA Aries : 263° 43.0′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+16° 06.8′	-4.2′	-11.2′	206	-26.7
-2	Venus	+10° 12.4′	-8.5′	-18.5′	242	-5.6

Date : 2026-11-21
Time : 13h 30m 00.0s UTC
LHA Aries : 271° 14.2′

#	Name	H	dH/m	dH/d	Z	m
-3	Moon(20)	+2° 00.4′	+9.3′	-144.3′	85	-12.7
0	Sun	+13° 44.2′	-5.2′	-10.6′	213	-26.7
-2	Venus	+5° 50.4′	-9.0′	-19.7′	248	-5.6

Date : 2026-11-21
Time : 14h 00m 00.0s UTC
LHA Aries : 278° 45.4′

#	Name	H	dH/m	dH/d	Z	m
-3	Moon(21)	+4° 12.5′	+9.1′	-178.1′	78	-12.7
-3	Moon(20)	+6° 46.3′	+9.3′	-153.8′	91	-12.7
0	Sun	+10° 53.1′	-6.1′	-10.1′	220	-26.7
-2	Venus	+1° 17.0′	-9.3′	-20.6′	254	-5.6

Date : 2026-11-21
Time : 14h 30m 00.0s UTC
LHA Aries : 286° 16.7′

#	Name	H	dH/m	dH/d	Z	m
-3	Moon(21)	+8° 54.2′	+9.3′	-196.3′	84	-12.7
-3	Moon(20)	+11° 31.9′	+9.3′	-157.6′	96	-12.7
0	Sun	+7° 36.8′	-6.9′	-9.4′	226	-26.7

Date : 2026-11-21
Time : 15h 00m 00.0s UTC
LHA Aries : 293° 47.9′

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(21)	:	+13° 38.8′	+9.3′	-208.9′	89	-12.7
-3	Moon(20)	:	+16° 14.5′	+9.1′	-155.7′	102	-12.7
0	Sun	:	+3° 58.8′	-7.6′	-8.9′	232	-26.7

Date : 2026-11-21
Time : 15h 30m 00.0s UTC
LHA Aries : 301° 19.1′

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(21)	:	+18° 23.9′	+9.3′	-215.7′	94	-12.7
-3	Moon(20)	:	+20° 51.3′	+8.9′	-147.4′	108	-12.7
0	Sun	:	+0° 02.2′	-8.2′	-8.4′	238	-26.7

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-24
Time : 6h 17m 00.0s UTC
LHA Aries : 165° 38.8′
Height Sun : -6° 03.6′

#	Name	H	dH/m	dH/d	Z	m
27	Dubhe	+78° 24.9′	+0.3′	+0.3′	2	1.8
53	Deneb	+10° 08.4′	+4.0′	+15.7′	24	1.2
40	Kochab	+56° 24.2′	+4.0′	+15.8′	25	2.1
47	Eltanin	+30° 20.5′	+6.8′	+26.7′	45	2.2
49	Vega	+16° 09.0′	+7.2′	+28.3′	48	0.0
32	Alioth	+72° 12.7′	+8.4′	+32.9′	60	1.8
46	Rasalhague	+4° 17.5′	+9.4′	+36.8′	76	2.1
34	Alkaid	+63° 26.3′	+9.4′	+36.8′	76	1.9
41	Alphecca	+33° 45.6′	+9.7′	+37.9′	88	2.2
37	Arcturus	+40° 41.0′	+9.0′	+35.3′	111	-0.0
39	Zubenelgenubi	+6° 49.9′	+7.9′	+30.8′	125	2.8
-2	Venus	+22° 20.5′	+6.3′	+14.8′	139	-5.6
33	Spica	+21° 04.3′	+6.0′	+23.2′	142	1.0
28	Denebola	+53° 05.4′	+3.2′	+12.2′	160	2.1
29	Gienah	+20° 18.7′	+3.1′	+12.0′	161	2.6
26	Regulus	+50° 18.0′	-3.4′	-13.7′	200	1.4
-4	Mars	+52° 04.0′	-3.6′	-15.4′	202	0.1
-5	Jupiter	+50° 56.7′	-4.3′	-17.2′	206	-2.2
25	Alphard	+27° 45.7′	-4.3′	-17.1′	206	2.0
18	Sirius	+2° 46.1′	-8.3′	-32.8′	240	-1.5
20	Procyon	+28° 26.2′	-8.4′	-33.3′	241	0.4
21	Pollux	+47° 04.9′	-9.4′	-37.1′	258	1.1
15	Alnilam	+4° 42.0′	-9.6′	-37.6′	263	1.7
16	Betelgeuse	+14° 20.8′	-9.6′	-37.8′	264	0.5
13	Bellatrix	+8° 44.1′	-9.7′	-37.9′	270	1.6
14	Elnath	+25° 26.7′	-9.3′	-36.6′	285	1.6
10	Aldebaran	+8° 41.7′	-9.3′	-36.5′	285	0.8
-3	Moon(25)	+16° 12.9′	-8.6′	+615.3′	293	-12.7
12	Capella	+35° 39.0′	-8.2′	-32.2′	302	0.1
-3	Moon(24)	+5° 24.4′	-7.9′	+648.5′	302	-12.7
9	Mirfak	+24° 42.7′	-6.2′	-24.4′	320	1.8
3	Schedar	+18° 40.8′	-2.4′	-9.1′	346	2.2
58	Polaris	+49° 43.4′	-0.1′	-0.6′	359	2.0

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-24
Time : 16h 10m 00.0s UTC
LHA Aries : 314° 18.2′
Height Sun : -5° 59.0′

#	Name	H	dH/m	dH/d	Z	m
58	Polaris	+49° 59.1′	+0.2′	+0.6′	1	2.0
12	Capella	+17° 02.8′	+5.7′	+22.6′	36	0.1
14	Elnath	+1° 16.6′	+6.7′	+26.5′	44	1.6
9	Mirfak	+32° 17.9′	+7.3′	+28.7′	49	1.8
-3	Moon(25)	+3° 12.5′	+7.1′	-431.8′	49	-12.7
3	Schedar	+56° 47.0′	+8.1′	+31.6′	56	2.2
-3	Moon(24)	+10° 02.5′	+8.2′	-410.1′	62	-12.7
-3	Moon(23)	+16° 07.0′	+9.0′	-364.4′	75	-12.7
6	Hamal	+25° 29.4′	+9.6′	+37.7′	83	2.0
8	Menkar	+2° 10.3′	+9.6′	+37.9′	86	2.5
1	Alpheratz	+48° 27.1′	+9.5′	+37.1′	102	2.1

-6	Saturn	:	+22° 45.2′	+8.5′	+33.8′	118	0.7
4	Diphda	:	+5° 40.7′	+7.7′	+30.3′	127	2.0
57	Markab	:	+46° 38.2′	+7.2′	+28.1′	132	2.5
56	Fomalhaut	:	+6° 01.2′	+4.3′	+16.6′	154	1.2
54	Enif	:	+48° 44.9′	+3.0′	+11.4′	162	2.4
51	Altair	:	+46° 44.8′	-3.9′	-15.7′	204	0.8
50	Nunki	:	+9° 10.8′	-4.4′	-17.5′	207	2.0
53	Deneb	:	+84° 43.7′	-4.8′	-20.6′	210	1.2
44	Sabik	:	+7° 44.7′	-7.8′	-30.8′	234	2.4
46	Rasalhague	:	+34° 33.9′	-8.8′	-34.7′	246	2.1
49	Vega	:	+63° 01.1′	-9.5′	-37.3′	259	0.0
41	Alphecca	:	+26° 05.0′	-9.5′	-37.2′	281	2.2
37	Arcturus	:	+8° 15.6′	-9.1′	-35.6′	290	-0.0
47	Eltanin	:	+61° 56.6′	-9.0′	-35.5′	291	2.2
34	Alkaid	:	+27° 07.6′	-6.8′	-26.5′	315	1.9
32	Alioth	:	+26° 46.9′	-5.2′	-20.4′	327	1.8
40	Kochab	:	+47° 01.5′	-3.9′	-15.3′	336	2.1
27	Dubhe	:	+24° 31.3′	-2.7′	-10.4′	344	1.8

Latitude : +50° 01.3′
Longitude : +8° 10.2′

Height (min) : 0°
Magnitude (max) : 4.0

Sun distance (min) : 30°
Cut angle (min) : 30°

Date : 2026-11-24
Time : 7h 30m 00.0s UTC
LHA Aries : 183° 56.8′
Height Sun : +3° 51.7′

#	Name	H	dH/m	dH/d	Z	m
-2	Venus	+28° 25.1′	+3.6′	+8.8′	158	-5.6
-3	Moon(25)	+6° 29.5′	-7.6′	+560.6′	305	-12.7

Date : 2026-11-24
Time : 8h 00m 00.0s UTC
LHA Aries : 191° 28.1′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+7° 26.3′	+6.8′	-12.4′	135	-26.7
-2	Venus	+29° 52.5′	+2.2′	+5.8′	167	-5.6
-3	Moon(25)	+2° 52.8′	-7.1′	+530.2′	310	-12.7

Date : 2026-11-24
Time : 8h 30m 00.0s UTC
LHA Aries : 198° 59.3′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+10° 38.9′	+6.0′	-12.5′	141	-26.7
-2	Venus	+30° 38.4′	+0.8′	+2.6′	175	-5.6

Date : 2026-11-24
Time : 9h 00m 00.0s UTC
LHA Aries : 206° 30.5′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+13° 26.0′	+5.1′	-12.5′	148	-26.7
-2	Venus	+30° 41.1′	-0.6′	-0.6′	184	-5.6

Date : 2026-11-24
Time : 9h 30m 00.0s UTC
LHA Aries : 214° 01.8′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+15° 44.4′	+4.1′	-12.5′	155	-26.7
-2	Venus	+30° 00.5′	-2.1′	-3.8′	192	-5.6

Date : 2026-11-24
Time : 10h 00m 00.0s UTC
LHA Aries : 221° 33.0′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+17° 31.0′	+3.0′	-12.5′	162	-26.7
-2	Venus	+28° 38.1′	-3.4′	-6.8′	201	-5.6

Date : 2026-11-24
Time : 10h 30m 00.0s UTC
LHA Aries : 229° 04.2′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+18° 43.1′	+1.8′	-12.3′	169	-26.7
-2	Venus	+26° 37.0′	-4.6′	-9.6′	209	-5.6

Date : 2026-11-24
Time : 11h 00m 00.0s UTC
LHA Aries : 236° 35.5′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+19° 19.0′	+0.6′	-12.0′	177	-26.7
-2	Venus	+24° 01.0′	-5.7′	-12.0′	216	-5.6

Date : 2026-11-24
Time : 11h 30m 00.0s UTC
LHA Aries : 244° 06.7′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+19° 17.4′	-0.7′	-11.6′	184	-26.7
-2	Venus	+20° 54.6′	-6.7′	-14.1′	224	-5.6

Date : 2026-11-24
Time : 12h 00m 00.0s UTC
LHA Aries : 251° 38.0′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+18° 38.6′	-1.9′	-11.2′	191	-26.7
-2	Venus	+17° 22.2′	-7.5′	-15.8′	231	-5.6

Date : 2026-11-24
Time : 12h 30m 00.0s UTC
LHA Aries : 259° 09.2′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+17° 23.6′	-3.1′	-10.6′	199	-26.7
-2	Venus	+13° 28.3′	-8.1′	-17.3′	237	-5.6

Date : 2026-11-24
Time : 13h 00m 00.0s UTC
LHA Aries : 266° 40.4′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+15° 34.3′	-4.2′	-10.0′	206	-26.7
-2	Venus	+9° 16.9′	-8.6′	-18.4′	243	-5.6

Date : 2026-11-24
Time : 13h 30m 00.0s UTC
LHA Aries : 274° 11.6′

#	Name	H	dH/m	dH/d	Z	m
0	Sun	+13° 13.5′	-5.2′	-9.4′	213	-26.7
-2	Venus	+4° 51.7′	-9.0′	-19.3′	249	-5.6

Date : 2026-11-24
Time : 14h 00m 00.0s UTC
LHA Aries : 281° 42.9′

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+10° 24.1′	-6.1′	-8.8′	219	-26.7
-2	Venus	:	+0° 15.9′	-9.3′	-20.0′	255	-5.6