

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-16
Time : 5h 18m 00.0s UTC
LHA Aries : 112° 39.3'
Height Sun : -6° 03.1'

#	Name	:	H	dH/m	dH/d	Z	m
47	Eltanin	:	+13° 26.1'	+2.5'	+9.8'	15	2.2
40	Kochab	:	+42° 33.8'	+3.4'	+13.4'	21	2.1
27	Dubhe	:	+58° 46.4'	+7.1'	+28.0'	48	1.8
32	Alioth	:	+43° 35.9'	+7.4'	+29.2'	50	1.8
34	Alkaid	:	+33° 10.3'	+7.5'	+29.6'	51	1.9
28	Denebola	:	+27° 02.1'	+9.5'	+37.3'	100	2.1
-2	Venus	:	+12° 30.5'	+9.3'	-28.8'	105	-4.1
-3	Moon(17)	:	+36° 05.0'	+7.9'	-631.4'	122	-12.7
26	Regulus	:	+39° 49.8'	+7.9'	+30.7'	125	1.4
-3	Moon(16)	:	+46° 22.5'	+7.2'	-617.5'	129	-12.7
-3	Moon(15)	:	+55° 58.7'	+5.8'	-576.2'	141	-12.7
25	Alphard	:	+25° 49.2'	+5.2'	+20.3'	147	2.0
21	Pollux	:	+67° 43.5'	+1.6'	+5.5'	170	1.1
-5	Jupiter	:	+61° 12.9'	+1.1'	+2.6'	174	-2.3
20	Procyon	:	+45° 05.4'	+0.6'	+1.9'	176	0.4
19	Adhara	:	+10° 40.6'	-1.2'	-4.8'	187	1.5
18	Sirius	:	+22° 31.1'	-1.9'	-7.9'	191	-1.5
16	Betelgeuse	:	+43° 05.3'	-5.2'	-20.9'	213	0.5
15	Alnilam	:	+33° 21.7'	-5.5'	-21.8'	215	1.7
11	Rigel	:	+24° 50.8'	-5.8'	-23.2'	217	0.1
13	Bellatrix	:	+39° 13.1'	-6.4'	-25.4'	221	1.6
14	Elnath	:	+58° 27.2'	-8.3'	-32.7'	239	1.6
10	Aldebaran	:	+41° 48.5'	-8.5'	-33.6'	242	0.8
8	Menkar	:	+18° 00.2'	-9.3'	-36.6'	254	2.5
12	Capella	:	+67° 45.5'	-9.7'	-37.9'	272	0.1
6	Hamal	:	+23° 49.3'	-9.5'	-37.4'	279	2.0
9	Mirfak	:	+51° 50.8'	-8.8'	-34.5'	294	1.8
1	Alpheratz	:	+10° 23.9'	-8.0'	-31.5'	304	2.1
3	Schedar	:	+34° 28.5'	-6.3'	-24.6'	319	2.2
58	Polaris	:	+50° 16.5'	-0.2'	-0.6'	359	2.0

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-16
Time : 17h 06m 00.0s UTC
LHA Aries : 290° 08.3'
Height Sun : -5° 55.5'

#	Name	:	H	dH/m	dH/d	Z	m
58	Polaris	:	+49° 44.2'	+0.1'	+0.6'	1	2.0
9	Mirfak	:	+21° 47.2'	+5.7'	+22.6'	36	1.8
3	Schedar	:	+44° 22.8'	+7.3'	+28.8'	49	2.2
6	Hamal	:	+10° 36.0'	+8.8'	+34.7'	66	2.0
1	Alpheratz	:	+33° 00.4'	+9.6'	+37.6'	82	2.1
53	Deneb	:	+75° 32.1'	+9.5'	+37.2'	101	1.2
57	Markab	:	+33° 05.1'	+9.3'	+36.3'	107	2.5
-6	Saturn	:	+11° 11.5'	+9.1'	+36.7'	110	0.7
54	Enif	:	+40° 02.9'	+7.3'	+28.6'	131	2.4
51	Altair	:	+48° 23.9'	+2.0'	+7.3'	168	0.8
50	Nunki	:	+13° 31.9'	-0.9'	-3.9'	185	2.0
44	Sabik	:	+18° 22.7'	-5.2'	-20.7'	213	2.4
49	Vega	:	+76° 28.0'	-6.0'	-24.1'	218	0.0
46	Rasalhague	:	+46° 51.1'	-6.1'	-24.2'	219	2.1

41 Alphecca	:	+41° 31.7'	-9.6'	-37.7'	263	2.2
37 Arcturus	:	+23° 26.1'	-9.7'	-37.9'	272	-0.0
47 Eltanin	:	+76° 46.8'	-9.4'	-36.7'	284	2.2
34 Alkaid	:	+39° 07.8'	-8.1'	-31.6'	303	1.9
32 Alioth	:	+36° 26.4'	-6.7'	-26.2'	316	1.8
27 Dubhe	:	+30° 16.3'	-4.4'	-17.2'	333	1.8
40 Kochab	:	+53° 33.1'	-4.1'	-16.2'	335	2.1

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-16
Time : 7h 30m 00.0s UTC
LHA Aries : 145° 44.7'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+13° 44.0'	+8.1'	-16.7'	123	-26.7
-3	Moon(17)	:	+48° 31.3'	+3.0'	-498.4'	161	-12.7
-3	Moon(16)	:	+55° 18.9'	+0.5'	-407.6'	177	-12.7
-3	Moon(15)	:	+59° 16.6'	-3.0'	-237.7'	199	-12.7

Date : 2025-10-16
Time : 8h 00m 00.0s UTC
LHA Aries : 153° 15.9'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+17° 37.1'	+7.4'	-17.5'	129	-26.7
-3	Moon(17)	:	+49° 28.5'	+1.3'	-441.9'	172	-12.7
-3	Moon(16)	:	+54° 56.0'	-1.5'	-327.5'	189	-12.7
-3	Moon(15)	:	+57° 14.2'	-4.8'	-138.3'	211	-12.7

Date : 2025-10-16
Time : 8h 30m 00.0s UTC
LHA Aries : 160° 47.1'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+21° 08.6'	+6.7'	-18.3'	136	-26.7
-3	Moon(17)	:	+49° 32.4'	-0.5'	-376.1'	183	-12.7
-3	Moon(16)	:	+53° 35.1'	-3.4'	-242.7'	201	-12.7
-3	Moon(15)	:	+54° 23.1'	-6.2'	-48.0'	222	-12.7

Date : 2025-10-16
Time : 9h 00m 00.0s UTC
LHA Aries : 168° 18.4'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+24° 14.2'	+5.7'	-19.1'	144	-26.7
-3	Moon(17)	:	+48° 42.6'	-2.3'	-304.3'	194	-12.7
-3	Moon(16)	:	+51° 22.5'	-5.0'	-159.9'	212	-12.7
-3	Moon(15)	:	+50° 54.6'	-7.3'	+27.9'	232	-12.7

Date : 2025-10-16
Time : 9h 30m 00.0s UTC
LHA Aries : 175° 49.6'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+26° 49.4'	+4.6'	-19.9'	151	-26.7
-3	Moon(17)	:	+47° 02.2'	-3.9'	-231.1'	205	-12.7
-3	Moon(16)	:	+48° 27.0'	-6.3'	-84.8'	222	-12.7
-3	Moon(15)	:	+46° 58.7'	-8.1'	+88.3'	240	-12.7

Date : 2025-10-16
Time : 10h 00m 00.0s UTC
LHA Aries : 183° 20.8'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+28° 49.6'	+3.4'	-20.7'	159	-26.7
-3	Moon(17)	:	+44° 37.1'	-5.3'	-160.9'	214	-12.7
-3	Moon(16)	:	+44° 57.5'	-7.2'	-20.4'	231	-12.7
-3	Moon(15)	:	+42° 43.4'	-8.6'	+134.1'	248	-12.7

Date : 2025-10-16
Time : 10h 30m 00.0s UTC
LHA Aries : 190° 52.1'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+30° 11.0'	+2.0'	-21.3'	168	-26.7
-3	Moon(17)	:	+41° 34.5'	-6.4'	-97.3'	223	-12.7
-3	Moon(16)	:	+41° 02.2'	-8.0'	+32.3'	239	-12.7
-3	Moon(15)	:	+38° 14.9'	-9.0'	+167.3'	254	-12.7

Date : 2025-10-16
Time : 11h 00m 00.0s UTC
LHA Aries : 198° 23.3'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+30° 50.7'	+0.6'	-21.8'	176	-26.7
-3	Moon(17)	:	+38° 01.6'	-7.3'	-42.1'	231	-12.7
-3	Moon(16)	:	+36° 47.9'	-8.5'	+73.7'	246	-12.7
-3	Moon(15)	:	+33° 37.8'	-9.2'	+190.1'	261	-12.7

Date : 2025-10-16
Time : 11h 30m 00.0s UTC
LHA Aries : 205° 54.6'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+30° 47.1'	-0.8'	-22.1'	185	-26.7
-3	Moon(17)	:	+34° 05.1'	-8.0'	+4.0'	239	-12.7
-3	Moon(16)	:	+32° 20.1'	-8.9'	+105.0'	253	-12.7
-3	Moon(15)	:	+28° 55.9'	-9.3'	+204.2'	266	-12.7

Date : 2025-10-16
Time : 12h 00m 00.0s UTC
LHA Aries : 213° 25.8'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+30° 00.4'	-2.2'	-22.1'	193	-26.7
-3	Moon(17)	:	+29° 50.6'	-8.5'	+41.2'	246	-12.7
-3	Moon(16)	:	+27° 43.1'	-9.2'	+127.4'	259	-12.7
-3	Moon(15)	:	+24° 12.1'	-9.3'	+211.0'	272	-12.7

Date : 2025-10-16
Time : 12h 30m 00.0s UTC
LHA Aries : 220° 57.0'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+28° 32.3'	-3.6'	-22.0'	202	-26.7
-3	Moon(17)	:	+25° 22.8'	-8.9'	+70.2'	252	-12.7
-3	Moon(16)	:	+23° 00.6'	-9.3'	+142.2'	265	-12.7
-3	Moon(15)	:	+19° 29.2'	-9.2'	+211.5'	277	-12.7

Date : 2025-10-16
Time : 13h 00m 00.0s UTC
LHA Aries : 228° 28.3'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+26° 25.9'	-4.8'	-21.7'	210	-26.7
-3	Moon(17)	:	+20° 45.9'	-9.1'	+91.7'	258	-12.7
-3	Moon(16)	:	+18° 15.6'	-9.3'	+150.3'	270	-12.7
-3	Moon(15)	:	+14° 49.4'	-9.1'	+206.2'	282	-12.7

Date : 2025-10-16
Time : 13h 30m 00.0s UTC
LHA Aries : 235° 59.5'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+23° 45.4'	-5.9'	-21.3'	217	-26.7
-3	Moon(17)	:	+16° 03.0'	-9.3'	+106.5'	264	-12.7
-3	Moon(16)	:	+13° 30.7'	-9.3'	+152.4'	276	-12.7
-3	Moon(15)	:	+10° 14.9'	-8.9'	+195.7'	288	-12.7

Date : 2025-10-16
Time : 14h 00m 00.0s UTC
LHA Aries : 243° 30.7'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+20° 35.0'	-6.8'	-20.9'	225	-26.7
-3	Moon(17)	:	+11° 17.2'	-9.3'	+115.2'	269	-12.7

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-19
Time : 5h 23m 00.0s UTC
LHA Aries : 116° 51.9'
Height Sun : -5° 59.9'

#	Name	:	H	dH/m	dH/d	Z	m
47	Eltanin	:	+14° 10.8'	+2.9'	+11.5'	17	2.2
40	Kochab	:	+43° 31.9'	+3.5'	+13.9'	21	2.1
27	Dubhe	:	+60° 46.4'	+7.2'	+28.1'	48	1.8
32	Alioth	:	+45° 41.6'	+7.6'	+29.8'	52	1.8
34	Alkaid	:	+35° 18.5'	+7.7'	+30.5'	53	1.9
28	Denebola	:	+29° 41.0'	+9.4'	+36.8'	103	2.1
-2	Venus	:	+11° 50.2'	+9.3'	-29.0'	106	-4.1
-3	Moon(19)	:	+15° 42.5'	+8.6'	-629.3'	112	-12.7
-3	Moon(18)	:	+26° 14.6'	+8.3'	-632.2'	117	-12.7
26	Regulus	:	+41° 58.2'	+7.4'	+28.8'	130	1.4
25	Alphard	:	+27° 11.8'	+4.6'	+17.7'	152	2.0
21	Pollux	:	+67° 56.5'	-0.1'	-1.0'	180	1.1
-5	Jupiter	:	+61° 17.5'	-0.2'	-2.0'	181	-2.3
20	Procyon	:	+45° 07.0'	-0.4'	-2.0'	182	0.4
19	Adhara	:	+10° 16.0'	-1.8'	-7.3'	191	1.5
18	Sirius	:	+21° 52.8'	-2.6'	-10.6'	196	-1.5
16	Betelgeuse	:	+41° 31.2'	-6.0'	-23.7'	218	0.5
15	Alnilam	:	+31° 44.4'	-6.1'	-24.2'	219	1.7
11	Rigel	:	+23° 07.9'	-6.4'	-25.3'	221	0.1
13	Bellatrix	:	+37° 20.9'	-7.0'	-27.6'	226	1.6
14	Elnath	:	+56° 04.7'	-8.7'	-34.3'	244	1.6
10	Aldebaran	:	+39° 22.6'	-8.8'	-34.8'	246	0.8
8	Menkar	:	+15° 22.6'	-9.4'	-37.1'	258	2.5
12	Capella	:	+65° 03.6'	-9.6'	-37.8'	275	0.1
6	Hamal	:	+21° 09.7'	-9.5'	-37.1'	282	2.0
9	Mirfak	:	+49° 23.9'	-8.7'	-34.0'	296	1.8
3	Schedar	:	+32° 44.8'	-6.1'	-23.7'	321	2.2
58	Polaris	:	+50° 13.9'	-0.2'	-0.6'	359	2.0

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-19
Time : 17h 01m 00.0s UTC
LHA Aries : 291° 50.6'
Height Sun : -6° 03.1'

#	Name	:	H	dH/m	dH/d	Z	m
58	Polaris	:	+49° 45.2'	+0.1'	+0.6'	1	2.0
12	Capella	:	+10° 00.7'	+3.6'	+14.4'	22	0.1
9	Mirfak	:	+22° 26.4'	+5.8'	+23.1'	37	1.8
3	Schedar	:	+45° 12.7'	+7.4'	+29.1'	50	2.2
6	Hamal	:	+11° 36.1'	+8.9'	+35.0'	67	2.0
1	Alpheratz	:	+34° 05.6'	+9.6'	+37.7'	84	2.1
53	Deneb	:	+76° 36.4'	+9.4'	+36.8'	103	1.2
57	Markab	:	+34° 07.8'	+9.2'	+36.0'	108	2.5
-6	Saturn	:	+12° 16.0'	+9.0'	+36.3'	111	0.7
54	Enif	:	+40° 52.1'	+7.1'	+27.7'	132	2.4
51	Altair	:	+48° 35.9'	+1.6'	+5.6'	171	0.8
50	Nunki	:	+13° 24.8'	-1.2'	-4.9'	187	2.0
44	Sabik	:	+17° 46.5'	-5.4'	-21.6'	214	2.4
46	Rasalhague	:	+46° 08.9'	-6.4'	-25.2'	221	2.1
49	Vega	:	+75° 45.4'	-6.6'	-26.4'	223	0.0
41	Alphecca	:	+40° 26.5'	-9.6'	-37.8'	264	2.2

37 Arcturus	:	+22° 20.5'	-9.6'	-37.9'	273	-0.0
47 Eltanin	:	+75° 43.2'	-9.4'	-36.7'	285	2.2
34 Alkaid	:	+38° 13.2'	-8.0'	-31.3'	304	1.9
32 Alioth	:	+35° 41.1'	-6.6'	-25.9'	317	1.8
27 Dubhe	:	+29° 46.6'	-4.3'	-16.8'	334	1.8
40 Kochab	:	+53° 05.0'	-4.1'	-16.2'	335	2.1

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-19
Time : 8h 30m 00.0s UTC
LHA Aries : 163° 44.6'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+20° 14.0'	+6.6'	-18.2'	137	-26.7
-3	Moon(18)	:	+43° 16.3'	+1.8'	-455.0'	169	-12.7

Date : 2025-10-19
Time : 9h 00m 00.0s UTC
LHA Aries : 171° 15.8'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+23° 17.1'	+5.6'	-18.9'	144	-26.7
-3	Moon(18)	:	+43° 38.3'	+0.2'	-398.7'	179	-12.7

Date : 2025-10-19
Time : 9h 30m 00.0s UTC
LHA Aries : 178° 47.0'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+25° 49.8'	+4.5'	-19.7'	152	-26.7
-3	Moon(18)	:	+43° 11.1'	-1.5'	-336.4'	189	-12.7

Date : 2025-10-19
Time : 10h 00m 00.0s UTC
LHA Aries : 186° 18.2'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+27° 47.8'	+3.3'	-20.4'	160	-26.7
-3	Moon(18)	:	+41° 56.2'	-3.0'	-271.2'	199	-12.7

Date : 2025-10-19
Time : 10h 30m 00.0s UTC
LHA Aries : 193° 49.5'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+29° 07.4'	+2.0'	-21.0'	168	-26.7
-3	Moon(18)	:	+39° 57.2'	-4.4'	-206.6'	208	-12.7

Date : 2025-10-19
Time : 11h 00m 00.0s UTC
LHA Aries : 201° 20.7'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+29° 45.7'	+0.6'	-21.4'	177	-26.7
-3	Moon(18)	:	+37° 19.6'	-5.6'	-145.5'	217	-12.7

Date : 2025-10-19
Time : 11h 30m 00.0s UTC
LHA Aries : 208° 51.9'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+29° 41.3'	-0.8'	-21.6'	185	-26.7
-3	Moon(18)	:	+34° 09.1'	-6.6'	-90.1'	225	-12.7

Date : 2025-10-19
Time : 12h 00m 00.0s UTC
LHA Aries : 216° 23.2'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+28° 54.4'	-2.2'	-21.7'	193	-26.7
-3	Moon(18)	:	+30° 31.8'	-7.4'	-41.7'	232	-12.7

Date : 2025-10-19
Time : 12h 30m 00.0s UTC
LHA Aries : 223° 54.4'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+27° 26.7'	-3.6'	-21.5'	202	-26.7
-3	Moon(18)	:	+26° 33.0'	-8.0'	-0.6'	239	-12.7

Date : 2025-10-19
Time : 13h 00m 00.0s UTC
LHA Aries : 231° 25.6'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+25° 21.3'	-4.8'	-21.2'	210	-26.7
-3	Moon(18)	:	+22° 17.6'	-8.5'	+33.2'	246	-12.7

Date : 2025-10-19
Time : 13h 30m 00.0s UTC
LHA Aries : 238° 56.9'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+22° 41.9'	-5.8'	-20.8'	217	-26.7
-3	Moon(18)	:	+17° 49.5'	-8.9'	+60.2'	252	-12.7

Date : 2025-10-19
Time : 14h 00m 00.0s UTC
LHA Aries : 246° 28.1'

#	Name	:	H	dH/m	dH/d	Z	m
0	Sun	:	+19° 33.0'	-6.7'	-20.3'	224	-26.7
-3	Moon(18)	:	+13° 12.5'	-9.1'	+80.7'	258	-12.7

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-22
Time : 5h 28m 00.0s UTC
LHA Aries : 121° 04.5'
Height Sun : -5° 56.7'

#	Name	:	H	dH/m	dH/d	Z	m
47	Eltanin	:	+15° 02.5'	+3.3'	+13.1'	20	2.2
40	Kochab	:	+44° 32.1'	+3.6'	+14.4'	22	2.1
27	Dubhe	:	+62° 46.4'	+7.1'	+28.0'	48	1.8
32	Alioth	:	+47° 50.1'	+7.7'	+30.4'	53	1.8
34	Alkaid	:	+37° 30.2'	+7.9'	+31.3'	55	1.9
37	Arcturus	:	+12° 31.8'	+9.3'	+36.7'	75	-0.0
28	Denebola	:	+32° 17.5'	+9.2'	+36.2'	107	2.1
-2	Venus	:	+11° 09.0'	+9.2'	-29.1'	108	-4.1
26	Regulus	:	+43° 57.9'	+6.8'	+26.6'	135	1.4
25	Alphard	:	+28° 23.4'	+3.9'	+15.0'	156	2.0
20	Procyon	:	+44° 51.8'	-1.4'	-5.9'	188	0.4
-5	Jupiter	:	+61° 01.7'	-1.5'	-6.6'	189	-2.3
21	Pollux	:	+67° 41.6'	-1.7'	-7.4'	190	1.1
18	Sirius	:	+21° 02.9'	-3.3'	-13.3'	200	-1.5
16	Betelgeuse	:	+39° 45.8'	-6.6'	-26.2'	223	0.5
15	Alnilam	:	+29° 57.1'	-6.7'	-26.4'	224	1.7
11	Rigel	:	+21° 16.4'	-6.9'	-27.2'	225	0.1
13	Bellatrix	:	+35° 19.4'	-7.5'	-29.6'	231	1.6
14	Elnath	:	+53° 35.9'	-9.0'	-35.5'	249	1.6
10	Aldebaran	:	+36° 52.0'	-9.1'	-35.8'	250	0.8
8	Menkar	:	+12° 43.0'	-9.6'	-37.5'	261	2.5
12	Capella	:	+62° 22.4'	-9.6'	-37.6'	278	0.1
6	Hamal	:	+18° 31.8'	-9.3'	-36.6'	285	2.0
9	Mirfak	:	+46° 59.3'	-8.5'	-33.5'	298	1.8
3	Schedar	:	+31° 05.2'	-5.8'	-22.7'	323	2.2
58	Polaris	:	+50° 11.3'	-0.2'	-0.6'	359	2.0

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-22
Time : 16h 55m 00.0s UTC
LHA Aries : 293° 17.7'
Height Sun : -5° 59.4'

#	Name	:	H	dH/m	dH/d	Z	m
58	Polaris	:	+49° 46.1'	+0.2'	+0.6'	1	2.0
12	Capella	:	+10° 22.2'	+3.8'	+15.0'	23	0.1
9	Mirfak	:	+23° 00.6'	+6.0'	+23.5'	38	1.8
3	Schedar	:	+45° 55.7'	+7.4'	+29.3'	50	2.2
6	Hamal	:	+12° 27.9'	+9.0'	+35.3'	68	2.0
1	Alpheratz	:	+35° 01.4'	+9.6'	+37.8'	85	2.1
53	Deneb	:	+77° 30.7'	+9.3'	+36.5'	105	1.2
57	Markab	:	+35° 00.9'	+9.1'	+35.7'	109	2.5
-6	Saturn	:	+13° 10.7'	+8.9'	+35.9'	113	0.7
54	Enif	:	+41° 32.9'	+6.9'	+27.0'	134	2.4
51	Altair	:	+48° 43.8'	+1.2'	+4.2'	173	0.8
50	Nunki	:	+13° 17.3'	-1.4'	-5.8'	188	2.0
44	Sabik	:	+17° 14.4'	-5.6'	-22.4'	216	2.4
46	Rasalhague	:	+45° 31.4'	-6.6'	-26.1'	223	2.1
49	Vega	:	+75° 06.0'	-7.0'	-28.0'	226	0.0
41	Alphecca	:	+39° 30.7'	-9.6'	-37.8'	265	2.2
37	Arcturus	:	+21° 24.6'	-9.6'	-37.8'	274	-0.0
47	Eltanin	:	+74° 49.0'	-9.3'	-36.7'	285	2.2

34 Alkaid	:	+37° 26.9'	-7.9'	-31.1'	305	1.9
32 Alioth	:	+35° 03.0'	-6.5'	-25.6'	317	1.8
27 Dubhe	:	+29° 21.9'	-4.2'	-16.4'	334	1.8
40 Kochab	:	+52° 41.0'	-4.1'	-16.2'	335	2.1

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

Height (min) : 10°
Magnitude (max) : 4.0

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

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-25
Time : 5h 32m 00.0s UTC
LHA Aries : 125° 02.1'
Height Sun : -6° 03.2'

#	Name	:	H	dH/m	dH/d	Z	m
47	Eltanin	:	+15° 57.3'	+3.7'	+14.5'	22	2.2
40	Kochab	:	+45° 30.6'	+3.8'	+14.8'	23	2.1
27	Dubhe	:	+64° 38.7'	+7.1'	+27.8'	47	1.8
32	Alioth	:	+49° 53.1'	+7.9'	+30.9'	54	1.8
34	Alkaid	:	+39° 37.1'	+8.1'	+32.0'	57	1.9
37	Arcturus	:	+15° 00.2'	+9.5'	+37.2'	78	-0.0
-2	Venus	:	+10° 18.0'	+9.1'	-29.2'	109	-4.0
28	Denebola	:	+34° 41.9'	+9.0'	+35.4'	111	2.1
26	Regulus	:	+45° 41.2'	+6.2'	+24.1'	140	1.4
25	Alphard	:	+29° 19.9'	+3.2'	+12.4'	160	2.0
20	Procyon	:	+44° 22.5'	-2.3'	-9.5'	194	0.4
-5	Jupiter	:	+60° 28.6'	-2.7'	-10.9'	196	-2.3
21	Pollux	:	+67° 03.0'	-3.2'	-13.1'	199	1.1
18	Sirius	:	+20° 05.7'	-3.9'	-15.7'	204	-1.5
16	Betelgeuse	:	+37° 57.3'	-7.1'	-28.2'	227	0.5
15	Alnilam	:	+28° 08.1'	-7.1'	-28.2'	228	1.7
11	Rigel	:	+19° 24.2'	-7.3'	-28.9'	229	0.1
13	Bellatrix	:	+33° 18.0'	-7.9'	-31.2'	235	1.6
14	Elnath	:	+51° 11.7'	-9.2'	-36.4'	253	1.6
10	Aldebaran	:	+34° 26.9'	-9.3'	-36.5'	254	0.8
8	Menkar	:	+10° 11.6'	-9.6'	-37.8'	264	2.5
12	Capella	:	+59° 51.6'	-9.5'	-37.3'	280	0.1
6	Hamal	:	+16° 05.4'	-9.2'	-36.1'	288	2.0
9	Mirfak	:	+44° 45.6'	-8.4'	-32.9'	300	1.8
3	Schedar	:	+29° 35.5'	-5.6'	-21.7'	325	2.2
58	Polaris	:	+50° 08.7'	-0.2'	-0.6'	359	2.0

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-25
Time : 16h 50m 00.0s UTC
LHA Aries : 294° 59.9'
Height Sun : -6° 03.4'

#	Name	:	H	dH/m	dH/d	Z	m
58	Polaris	:	+49° 47.1'	+0.2'	+0.6'	1	2.0
12	Capella	:	+10° 48.5'	+4.0'	+15.7'	24	0.1
9	Mirfak	:	+23° 41.5'	+6.1'	+24.0'	39	1.8
3	Schedar	:	+46° 46.5'	+7.5'	+29.5'	51	2.2
6	Hamal	:	+13° 29.0'	+9.0'	+35.6'	69	2.0
1	Alpheratz	:	+36° 06.8'	+9.6'	+37.9'	86	2.1
53	Deneb	:	+78° 33.7'	+9.2'	+35.9'	108	1.2
57	Markab	:	+36° 02.5'	+9.0'	+35.3'	111	2.5
-6	Saturn	:	+14° 13.6'	+8.8'	+35.4'	114	0.7
54	Enif	:	+42° 19.2'	+6.7'	+26.0'	136	2.4
51	Altair	:	+48° 50.4'	+0.8'	+2.5'	175	0.8
50	Nunki	:	+13° 06.8'	-1.7'	-6.8'	190	2.0
44	Sabik	:	+16° 35.4'	-5.8'	-23.2'	217	2.4
46	Rasalhague	:	+44° 45.8'	-6.8'	-27.1'	225	2.1
49	Vega	:	+74° 16.8'	-7.5'	-29.7'	230	0.0
41	Alphecca	:	+38° 25.1'	-9.6'	-37.9'	267	2.2
37	Arcturus	:	+20° 19.2'	-9.6'	-37.7'	276	-0.0
47	Eltanin	:	+73° 45.5'	-9.3'	-36.6'	285	2.2

34 Alkaid	:	+36° 33.3'	-7.9'	-30.8'	306	1.9
32 Alioth	:	+34° 18.8'	-6.4'	-25.2'	318	1.8
40 Kochab	:	+52° 13.0'	-4.1'	-16.2'	335	2.1
27 Dubhe	:	+28° 53.7'	-4.1'	-16.0'	335	1.8

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-25
Time : 12h 00m 00.0s UTC
LHA Aries : 222° 18.0'

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(24)	:	+12° 14.2'	+2.9'	-293.6'	162	-12.7
0	Sun	:	+26° 47.3'	-2.2'	-20.5'	193	-26.7

Date : 2025-10-25
Time : 12h 30m 00.0s UTC
LHA Aries : 229° 49.3'

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(24)	:	+13° 21.4'	+1.8'	-245.6'	169	-12.7
0	Sun	:	+25° 20.8'	-3.5'	-20.3'	201	-26.7

Date : 2025-10-25
Time : 13h 00m 00.0s UTC
LHA Aries : 237° 20.5'

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(25)	:	+10° 42.5'	+2.5'	-206.3'	165	-12.7
-3	Moon(24)	:	+13° 56.8'	+0.7'	-194.2'	175	-12.7
0	Sun	:	+23° 17.3'	-4.7'	-19.9'	209	-26.7

Date : 2025-10-25
Time : 13h 30m 00.0s UTC
LHA Aries : 244° 51.7'

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(25)	:	+11° 39.3'	+1.4'	-154.9'	171	-12.7
-3	Moon(24)	:	+13° 59.5'	-0.4'	-140.3'	182	-12.7
0	Sun	:	+20° 40.5'	-5.7'	-19.4'	216	-26.7

Date : 2025-10-25
Time : 14h 00m 00.0s UTC
LHA Aries : 252° 22.9'

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(26)	:	+10° 23.9'	+2.2'	-113.6'	167	-12.7
-3	Moon(25)	:	+12° 04.7'	+0.4'	-100.8'	178	-12.7
-3	Moon(24)	:	+13° 29.7'	-1.4'	-85.0'	189	-12.7
0	Sun	:	+17° 34.4'	-6.6'	-18.9'	223	-26.7

Date : 2025-10-25
Time : 14h 30m 00.0s UTC
LHA Aries : 259° 54.2'

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(26)	:	+11° 13.2'	+1.1'	-59.6'	173	-12.7
-3	Moon(25)	:	+11° 58.4'	-0.7'	-45.1'	184	-12.7
-3	Moon(24)	:	+12° 27.8'	-2.5'	-29.4'	195	-12.7
0	Sun	:	+14° 03.3'	-7.4'	-18.4'	230	-26.7

Date : 2025-10-25
Time : 15h 00m 00.0s UTC
LHA Aries : 267° 25.4'

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(26)	:	+11° 31.5'	+0.1'	-3.6'	180	-12.7
-3	Moon(25)	:	+11° 20.4'	-1.7'	+11.1'	191	-12.7
-3	Moon(24)	:	+10° 55.3'	-3.5'	+25.1'	202	-12.7
0	Sun	:	+10° 11.1'	-8.0'	-17.9'	237	-26.7

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-28
Time : 5h 37m 00.0s UTC
LHA Aries : 129° 14.7'
Height Sun : -6° 00.3'

#	Name	:	H	dH/m	dH/d	Z	m
40	Kochab	:	+46° 34.6'	+3.9'	+15.2'	24	2.1
47	Eltanin	:	+17° 01.9'	+4.0'	+16.0'	25	2.2
27	Dubhe	:	+66° 36.8'	+7.0'	+27.3'	46	1.8
32	Alioth	:	+52° 06.0'	+8.0'	+31.4'	56	1.8
34	Alkaid	:	+41° 55.0'	+8.3'	+32.7'	59	1.9
41	Alphecca	:	+11° 24.4'	+8.5'	+33.6'	62	2.2
37	Arcturus	:	+17° 39.9'	+9.5'	+37.5'	81	-0.0
28	Denebola	:	+37° 11.5'	+8.8'	+34.3'	115	2.1
26	Regulus	:	+47° 19.8'	+5.5'	+21.2'	145	1.4
25	Alphard	:	+30° 07.9'	+2.5'	+9.4'	165	2.0
20	Procyon	:	+43° 35.9'	-3.2'	-13.1'	200	0.4
-5	Jupiter	:	+59° 34.5'	-3.8'	-15.2'	203	-2.4
18	Sirius	:	+18° 54.6'	-4.5'	-18.1'	208	-1.5
21	Pollux	:	+65° 58.0'	-4.5'	-18.4'	208	1.1
15	Alnilam	:	+26° 04.4'	-7.6'	-30.0'	232	1.7
16	Betelgeuse	:	+35° 53.4'	-7.6'	-30.1'	232	0.5
11	Rigel	:	+17° 18.1'	-7.7'	-30.4'	233	0.1
13	Bellatrix	:	+31° 02.1'	-8.3'	-32.7'	239	1.6
14	Elnath	:	+48° 34.9'	-9.4'	-37.0'	257	1.6
10	Aldebaran	:	+31° 49.8'	-9.4'	-37.1'	257	0.8
12	Capella	:	+57° 12.5'	-9.4'	-37.0'	283	0.1
6	Hamal	:	+13° 32.1'	-9.0'	-35.4'	291	2.0
9	Mirfak	:	+42° 26.0'	-8.2'	-32.2'	302	1.8
3	Schedar	:	+28° 04.5'	-5.3'	-20.6'	327	2.2
58	Polaris	:	+50° 06.0'	-0.2'	-0.6'	359	2.0

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-28
Time : 16h 44m 00.0s UTC
LHA Aries : 296° 27.1'
Height Sun : -5° 56.0'

#	Name	:	H	dH/m	dH/d	Z	m
58	Polaris	:	+49° 48.0'	+0.2'	+0.6'	1	2.0
12	Capella	:	+11° 11.8'	+4.1'	+16.3'	25	0.1
9	Mirfak	:	+24° 17.0'	+6.2'	+24.4'	40	1.8
3	Schedar	:	+47° 30.2'	+7.6'	+29.7'	51	2.2
6	Hamal	:	+14° 21.6'	+9.1'	+35.8'	70	2.0
1	Alpheratz	:	+37° 02.7'	+9.7'	+37.9'	87	2.1
53	Deneb	:	+79° 26.5'	+9.0'	+35.2'	111	1.2
57	Markab	:	+36° 54.5'	+8.9'	+35.0'	112	2.5
-6	Saturn	:	+15° 06.8'	+8.7'	+34.9'	116	0.7
54	Enif	:	+42° 57.5'	+6.5'	+25.2'	138	2.4
-3	Moon(29)	:	+17° 18.5'	+2.0'	+127.1'	168	-12.7
51	Altair	:	+48° 53.8'	+0.4'	+1.1'	178	0.8
-3	Moon(28)	:	+14° 40.8'	+0.1'	+157.7'	180	-12.7
-3	Moon(27)	:	+11° 43.0'	-1.8'	+177.7'	191	-12.7
50	Nunki	:	+12° 56.5'	-1.9'	-7.7'	191	2.0
44	Sabik	:	+16° 01.0'	-6.0'	-23.9'	219	2.4
46	Rasalhague	:	+44° 05.6'	-7.0'	-27.9'	227	2.1
49	Vega	:	+73° 32.7'	-7.8'	-30.9'	234	0.0
41	Alphecca	:	+37° 29.2'	-9.7'	-37.9'	268	2.2

37 Arcturus	:	+19° 23.5'	-9.6'	-37.6'	277	-0.0
47 Eltanin	:	+72° 51.5'	-9.3'	-36.6'	285	2.2
34 Alkaid	:	+35° 47.9'	-7.8'	-30.5'	306	1.9
32 Alioth	:	+33° 41.7'	-6.4'	-24.9'	319	1.8
40 Kochab	:	+51° 49.0'	-4.1'	-16.2'	335	2.1
27 Dubhe	:	+28° 30.2'	-4.0'	-15.6'	336	1.8

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-28
Time : 14h 30m 00.0s UTC
LHA Aries : 262° 51.6'

#	Name	:	H	dH/m	dH/d	Z	m
-3	Moon(27)	:	+10° 13.6'	+2.9'	-73.2'	162	-12.7
0	Sun	:	+13° 08.8'	-7.3'	-17.6'	230	-26.7

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-31
Time : 5h 42m 00.0s UTC
LHA Aries : 133° 27.3'
Height Sun : -5° 57.3'

#	Name	:	H	dH/m	dH/d	Z	m
40	Kochab	:	+47° 40.1'	+3.9'	+15.5'	24	2.1
47	Eltanin	:	+18° 13.0'	+4.4'	+17.5'	27	2.2
27	Dubhe	:	+68° 32.8'	+6.8'	+26.7'	45	1.8
32	Alioth	:	+54° 21.0'	+8.1'	+31.8'	57	1.8
34	Alkaid	:	+44° 15.8'	+8.5'	+33.3'	61	1.9
41	Alphecca	:	+13° 49.4'	+8.7'	+34.4'	65	2.2
37	Arcturus	:	+20° 20.8'	+9.6'	+37.8'	84	-0.0
28	Denebola	:	+39° 36.4'	+8.5'	+33.0'	119	2.1
26	Regulus	:	+48° 45.2'	+4.7'	+17.9'	151	1.4
25	Alphard	:	+30° 42.9'	+1.7'	+6.3'	170	2.0
20	Procyon	:	+42° 34.2'	-4.1'	-16.5'	205	0.4
-5	Jupiter	:	+58° 22.4'	-4.9'	-19.2'	210	-2.4
18	Sirius	:	+17° 33.3'	-5.1'	-20.4'	212	-1.5
21	Pollux	:	+64° 31.6'	-5.7'	-22.9'	216	1.1
15	Alnilam	:	+23° 53.5'	-8.0'	-31.5'	236	1.7
16	Betelgeuse	:	+33° 41.8'	-8.0'	-31.8'	236	0.5
11	Rigel	:	+15° 05.6'	-8.1'	-31.8'	237	0.1
13	Bellatrix	:	+28° 40.2'	-8.6'	-33.9'	243	1.6
14	Elnath	:	+45° 55.7'	-9.5'	-37.5'	261	1.6
10	Aldebaran	:	+29° 10.4'	-9.5'	-37.5'	261	0.8
12	Capella	:	+54° 34.8'	-9.3'	-36.6'	285	0.1
6	Hamal	:	+11° 01.8'	-8.8'	-34.6'	294	2.0
9	Mirfak	:	+40° 09.2'	-8.1'	-31.5'	304	1.8
3	Schedar	:	+26° 38.4'	-5.0'	-19.4'	329	2.2
58	Polaris	:	+50° 03.2'	-0.2'	-0.6'	359	2.0

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-10-31
Time : 16h 39m 00.0s UTC
LHA Aries : 298° 09.3'
Height Sun : -5° 56.0'

#	Name	:	H	dH/m	dH/d	Z	m
58	Polaris	:	+49° 49.1'	+0.2'	+0.6'	1	2.0
12	Capella	:	+11° 40.2'	+4.3'	+16.9'	26	0.1
9	Mirfak	:	+24° 59.4'	+6.3'	+24.8'	41	1.8
3	Schedar	:	+48° 21.7'	+7.6'	+29.9'	52	2.2
6	Hamal	:	+15° 23.6'	+9.2'	+36.0'	71	2.0
1	Alpheratz	:	+38° 08.3'	+9.7'	+37.9'	88	2.1
57	Markab	:	+37° 54.9'	+8.8'	+34.5'	114	2.5
53	Deneb	:	+80° 27.2'	+8.8'	+34.2'	114	1.2
-6	Saturn	:	+16° 07.9'	+8.6'	+34.4'	117	0.7
-3	Moon(32)	:	+20° 38.5'	+7.4'	-47.3'	127	-12.7
54	Enif	:	+43° 40.7'	+6.2'	+24.1'	140	2.4
-3	Moon(31)	:	+20° 19.3'	+5.9'	+19.3'	141	-12.7
-3	Moon(30)	:	+19° 04.6'	+4.1'	+74.7'	154	-12.7
51	Altair	:	+48° 55.0'	-0.0'	-0.6'	180	0.8
50	Nunki	:	+12° 42.9'	-2.1'	-8.7'	193	2.0
44	Sabik	:	+15° 19.4'	-6.2'	-24.7'	220	2.4
46	Rasalhague	:	+43° 16.9'	-7.3'	-28.8'	229	2.1
49	Vega	:	+72° 38.7'	-8.1'	-32.1'	237	0.0
41	Alphecca	:	+36° 23.5'	-9.7'	-37.9'	269	2.2

37 Arcturus	:	+18° 18.4'	-9.6'	-37.5'	278	-0.0
47 Eltanin	:	+71° 48.2'	-9.3'	-36.5'	286	2.2
34 Alkaid	:	+34° 55.3'	-7.7'	-30.1'	307	1.9
32 Alioth	:	+32° 58.7'	-6.3'	-24.5'	320	1.8
40 Kochab	:	+51° 21.0'	-4.1'	-16.1'	335	2.1
27 Dubhe	:	+28° 03.5'	-3.9'	-15.1'	336	1.8

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

Height (min) : 10°
Magnitude (max) : 4.0

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

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-11-03
Time : 5h 46m 00.0s UTC
LHA Aries : 137° 24.9'
Height Sun : -6° 03.6'

#	Name	:	H	dH/m	dH/d	Z	m
40	Kochab	:	+48° 42.9'	+4.0'	+15.8'	25	2.1
47	Eltanin	:	+19° 25.3'	+4.8'	+18.8'	29	2.2
27	Dubhe	:	+70° 18.8'	+6.6'	+25.8'	43	1.8
32	Alioth	:	+56° 29.6'	+8.2'	+32.2'	58	1.8
34	Alkaid	:	+46° 30.6'	+8.6'	+33.9'	63	1.9
41	Alphecca	:	+16° 09.1'	+8.9'	+35.2'	68	2.2
37	Arcturus	:	+22° 53.0'	+9.7'	+37.9'	87	-0.0
28	Denebola	:	+41° 47.2'	+8.1'	+31.6'	123	2.1
29	Gienah	:	+10° 42.4'	+6.8'	+26.6'	135	2.6
26	Regulus	:	+49° 52.2'	+3.8'	+14.5'	157	1.4
25	Alphard	:	+31° 03.7'	+0.9'	+3.3'	174	2.0
20	Procyon	:	+41° 23.4'	-4.9'	-19.4'	210	0.4
18	Sirius	:	+16° 08.2'	-5.6'	-22.4'	216	-1.5
-5	Jupiter	:	+56° 59.6'	-5.8'	-22.6'	217	-2.4
21	Pollux	:	+62° 53.9'	-6.6'	-26.4'	223	1.1
15	Alnilam	:	+21° 44.8'	-8.3'	-32.8'	239	1.7
11	Rigel	:	+12° 55.8'	-8.4'	-33.0'	240	0.1
16	Betelgeuse	:	+31° 31.9'	-8.4'	-33.1'	240	0.5
13	Bellatrix	:	+26° 22.2'	-8.9'	-34.9'	247	1.6
10	Aldebaran	:	+26° 39.1'	-9.6'	-37.8'	264	0.8
14	Elnath	:	+43° 24.4'	-9.6'	-37.8'	264	1.6
12	Capella	:	+52° 08.0'	-9.2'	-36.2'	287	0.1
9	Mirfak	:	+38° 03.4'	-7.9'	-30.8'	305	1.8
3	Schedar	:	+25° 21.9'	-4.7'	-18.3'	331	2.2
58	Polaris	:	+50° 00.6'	-0.2'	-0.6'	359	2.0

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-11-03
Time : 16h 35m 00.0s UTC
LHA Aries : 300° 06.6'
Height Sun : -6° 02.9'

#	Name	:	H	dH/m	dH/d	Z	m
58	Polaris	:	+49° 50.3'	+0.2'	+0.6'	1	2.0
12	Capella	:	+12° 14.2'	+4.5'	+17.7'	27	0.1
9	Mirfak	:	+25° 49.0'	+6.4'	+25.4'	42	1.8
3	Schedar	:	+49° 21.3'	+7.7'	+30.2'	53	2.2
6	Hamal	:	+16° 35.3'	+9.2'	+36.3'	73	2.0
-3	Moon(4)	:	+14° 00.3'	+9.3'	-253.4'	84	-12.7
1	Alpheratz	:	+39° 23.6'	+9.7'	+37.9'	90	2.1
-3	Moon(3)	:	+17° 13.0'	+9.2'	-192.8'	98	-12.7
-3	Moon(2)	:	+19° 15.9'	+8.6'	-122.9'	112	-12.7
57	Markab	:	+39° 03.2'	+8.7'	+34.0'	116	2.5
-6	Saturn	:	+17° 16.4'	+8.5'	+33.7'	119	0.7
53	Deneb	:	+81° 34.4'	+8.4'	+32.5'	119	1.2
54	Enif	:	+44° 27.9'	+5.9'	+22.8'	142	2.4
51	Altair	:	+48° 52.8'	-0.5'	-2.6'	183	0.8
50	Nunki	:	+12° 25.0'	-2.4'	-9.8'	195	2.0
44	Sabik	:	+14° 30.0'	-6.4'	-25.5'	222	2.4
46	Rasalhague	:	+42° 19.3'	-7.5'	-29.7'	231	2.1
49	Vega	:	+71° 34.3'	-8.4'	-33.3'	240	0.0
41	Alphecca	:	+35° 08.2'	-9.7'	-37.9'	271	2.2

37 Arcturus	:	+17° 04.0'	-9.5'	-37.4'	280	-0.0
47 Eltanin	:	+70° 35.8'	-9.3'	-36.4'	286	2.2
34 Alkaid	:	+33° 55.6'	-7.6'	-29.7'	308	1.9
32 Alioth	:	+32° 10.3'	-6.2'	-24.0'	320	1.8
40 Kochab	:	+50° 49.0'	-4.1'	-16.1'	335	2.1
27 Dubhe	:	+27° 33.8'	-3.7'	-14.6'	337	1.8

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

Height (min) : 10°
Magnitude (max) : 4.0

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

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-11-06
Time : 5h 51m 00.0s UTC
LHA Aries : 141° 37.5'
Height Sun : -6° 00.5'

#	Name	:	H	dH/m	dH/d	Z	m
40	Kochab	:	+49° 50.8'	+4.1'	+16.0'	25	2.1
47	Eltanin	:	+20° 48.0'	+5.1'	+20.2'	32	2.2
27	Dubhe	:	+72° 06.9'	+6.3'	+24.4'	40	1.8
32	Alioth	:	+58° 47.9'	+8.3'	+32.5'	59	1.8
34	Alkaid	:	+48° 56.4'	+8.8'	+34.4'	65	1.9
41	Alphecca	:	+18° 40.7'	+9.1'	+35.8'	71	2.2
37	Arcturus	:	+25° 35.3'	+9.7'	+37.9'	90	-0.0
28	Denebola	:	+43° 59.4'	+7.6'	+29.8'	128	2.1
29	Gienah	:	+12° 33.5'	+6.4'	+24.9'	139	2.6
26	Regulus	:	+50° 47.8'	+2.8'	+10.5'	163	1.4
25	Alphard	:	+31° 12.5'	+0.1'	+0.1'	179	2.0
20	Procyon	:	+39° 55.5'	-5.6'	-22.3'	215	0.4
18	Sirius	:	+14° 29.2'	-6.1'	-24.4'	220	-1.5
-5	Jupiter	:	+55° 17.2'	-6.6'	-25.8'	223	-2.4
21	Pollux	:	+60° 56.0'	-7.4'	-29.3'	230	1.1
15	Alnilam	:	+19° 22.6'	-8.6'	-33.9'	243	1.7
11	Rigel	:	+10° 32.9'	-8.6'	-34.0'	243	0.1
16	Betelgeuse	:	+29° 08.3'	-8.7'	-34.3'	244	0.5
13	Bellatrix	:	+23° 51.3'	-9.1'	-35.8'	250	1.6
10	Aldebaran	:	+23° 57.2'	-9.7'	-37.9'	267	0.8
14	Elnath	:	+40° 42.5'	-9.7'	-37.9'	268	1.6
-3	Moon(7)	:	+29° 00.6'	-9.2'	+673.4'	278	-12.7
-3	Moon(6)	:	+16° 49.4'	-8.9'	+731.2'	286	-12.7
12	Capella	:	+49° 33.7'	-9.1'	-35.8'	289	0.1
9	Mirfak	:	+35° 52.8'	-7.7'	-30.0'	307	1.8
3	Schedar	:	+24° 05.7'	-4.4'	-17.0'	333	2.2
58	Polaris	:	+49° 57.9'	-0.2'	-0.6'	359	2.0

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

Height (min) : 10°
Magnitude (max) : 4.0

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

Date : 2025-11-06
Time : 16h 30m 00.0s UTC
LHA Aries : 301° 48.8'
Height Sun : -5° 58.1'

#	Name	:	H	dH/m	dH/d	Z	m
58	Polaris	:	+49° 51.3'	+0.2'	+0.6'	1	2.0
12	Capella	:	+12° 45.0'	+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° 38.3'	+9.3'	+36.5'	74	2.0
1	Alpheratz	:	+40° 29.3'	+9.7'	+37.9'	91	2.1
57	Markab	:	+40° 01.8'	+8.6'	+33.4'	118	2.5
-6	Saturn	:	+18° 15.2'	+8.3'	+33.1'	121	0.8
53	Deneb	:	+82° 30.1'	+7.9'	+30.4'	125	1.2
54	Enif	:	+45° 07.0'	+5.6'	+21.7'	145	2.4
51	Altair	:	+48° 47.7'	-1.0'	-4.3'	186	0.8
50	Nunki	:	+12° 07.7'	-2.7'	-10.8'	196	2.0
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° 36.4'	-8.6'	-34.1'	243	0.0
41	Alphecca	:	+34° 02.5'	-9.7'	-37.9'	272	2.2
37	Arcturus	:	+15° 59.3'	-9.5'	-37.2'	281	-0.0

47 Eltanin	:	+69° 32.8'	-9.3'	-36.3'	287	2.2
34 Alkaid	:	+33° 04.2'	-7.5'	-29.4'	309	1.9
32 Alioth	:	+31° 28.8'	-6.1'	-23.6'	321	1.8
40 Kochab	:	+50° 21.1'	-4.1'	-16.0'	335	2.1
27 Dubhe	:	+27° 08.7'	-3.6'	-14.1'	338	1.8

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

Height (min) : 10°
Magnitude (max) : 4.0

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