

Nautical Almanac: Sonne 2026 (Stündlich)

Beobachter: 48.173333°N, 11.635°O, 525m (WGS84)

August 8, 2026

Table 1: GHA, Dec, Azimut und Altitude (inkl. Refraktion) der Sonne

UT h	Datum d	GEOCENTRIC (SUN)		LOCAL OBSERVER	
		GHA ° '.	Dec [N/S] ° '.	Azimut °	Altitude °
00	2026-01-01	179 10.1	S23 01.0	022.7	-63.4
01		194 09.8	S23 00.8	048.3	-57.6
02		209 09.5	S23 00.6	066.7	-49.1
03		224 09.2	S23 00.4	080.7	-39.5
04		239 08.9	S23 00.2	092.3	-29.6
05		254 08.6	S23 00.0	102.9	-19.7
06		269 08.3	S22 59.8	113.3	-10.2
07		284 08.0	S22 59.6	124.0	-01.4
08		299 07.7	S22 59.4	135.5	+06.4
09		314 07.4	S22 59.2	148.0	+12.6
10		329 07.1	S22 59.0	161.5	+16.8
11		344 06.8	S22 58.8	175.9	+18.8
12		359 06.5	S22 58.6	190.4	+18.2
13		14 06.3	S22 58.3	204.5	+15.3
14		29 06.0	S22 58.1	217.6	+10.1
15		44 05.7	S22 57.9	229.6	+03.4
16		59 05.4	S22 57.7	240.8	-05.1
17		74 05.1	S22 57.5	251.3	-14.2
18		89 04.8	S22 57.3	261.7	-23.9
19		104 04.5	S22 57.1	272.6	-33.8
20		119 04.2	S22 56.8	285.0	-43.7
21		134 03.9	S22 56.6	300.6	-52.9
22		149 03.6	S22 56.4	321.9	-60.5
23		164 03.3	S22 56.2	350.7	-64.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
00	2026-01-02	179 03.0	S22 56.0	022.4	-63.4
01		194 02.8	S22 55.7	048.1	-57.5
02		209 02.5	S22 55.5	066.5	-49.1
03		224 02.2	S22 55.3	080.5	-39.5
04		239 01.9	S22 55.1	092.1	-29.6
05		254 01.6	S22 54.8	102.7	-19.7
06		269 01.3	S22 54.6	113.1	-10.2
07		284 01.0	S22 54.4	123.8	-01.4
08		299 00.7	S22 54.2	135.3	+06.5
09		314 00.4	S22 53.9	147.8	+12.6
10		329 00.1	S22 53.7	161.4	+16.9
11		343 59.8	S22 53.5	175.7	+18.9
12		358 59.6	S22 53.3	190.3	+18.3
13		13 59.3	S22 53.0	204.4	+15.4
14		28 59.0	S22 52.8	217.5	+10.3
15		43 58.7	S22 52.6	229.6	+03.5
16		58 58.4	S22 52.3	240.7	-04.9
17		73 58.1	S22 52.1	251.3	-14.0
18		88 57.8	S22 51.9	261.7	-23.7
19		103 57.5	S22 51.6	272.6	-33.7
20		118 57.3	S22 51.4	285.0	-43.6
21		133 57.0	S22 51.1	300.6	-52.8
22		148 56.7	S22 50.9	321.8	-60.3
23		163 56.4	S22 50.7	350.5	-64.4
00	2026-01-03	178 56.1	S22 50.4	022.1	-63.3
01		193 55.8	S22 50.2	047.8	-57.5
02		208 55.5	S22 49.9	066.3	-49.1
03		223 55.2	S22 49.7	080.3	-39.6
04		238 55.0	S22 49.5	092.0	-29.6
05		253 54.7	S22 49.2	102.6	-19.7
06		268 54.4	S22 49.0	113.0	-10.2
07		283 54.1	S22 48.7	123.7	-01.4
08		298 53.8	S22 48.5	135.2	+06.5
09		313 53.5	S22 48.2	147.7	+12.7
10		328 53.2	S22 48.0	161.3	+17.0
11		343 53.0	S22 47.7	175.6	+19.0
12		358 52.7	S22 47.5	190.2	+18.5
13		13 52.4	S22 47.2	204.3	+15.5
14		28 52.1	S22 47.0	217.5	+10.4
15		43 51.8	S22 46.7	229.6	+03.6
16		58 51.5	S22 46.5	240.7	-04.8
17		73 51.2	S22 46.2	251.2	-13.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
18		88 51.0	S22 46.0	261.7	-23.6
19		103 50.7	S22 45.7	272.6	-33.6
20		118 50.4	S22 45.5	285.0	-43.4
21		133 50.1	S22 45.2	300.5	-52.6
22		148 49.8	S22 45.0	321.7	-60.2
23		163 49.5	S22 44.7	350.3	-64.3
00	2026-01-04	178 49.3	S22 44.4	021.8	-63.2
01		193 49.0	S22 44.2	047.5	-57.5
02		208 48.7	S22 43.9	066.1	-49.1
03		223 48.4	S22 43.7	080.1	-39.6
04		238 48.1	S22 43.4	091.8	-29.6
05		253 47.8	S22 43.1	102.4	-19.7
06		268 47.6	S22 42.9	112.8	-10.2
07		283 47.3	S22 42.6	123.6	-01.4
08		298 47.0	S22 42.4	135.0	+06.5
09		313 46.7	S22 42.1	147.5	+12.7
10		328 46.4	S22 41.8	161.1	+17.0
11		343 46.1	S22 41.6	175.5	+19.1
12		358 45.9	S22 41.3	190.1	+18.6
13		13 45.6	S22 41.0	204.3	+15.6
14		28 45.3	S22 40.7	217.4	+10.5
15		43 45.0	S22 40.5	229.5	+03.8
16		58 44.7	S22 40.2	240.7	-04.6
17		73 44.5	S22 39.9	251.2	-13.7
18		88 44.2	S22 39.7	261.7	-23.4
19		103 43.9	S22 39.4	272.6	-33.4
20		118 43.6	S22 39.1	285.0	-43.3
21		133 43.3	S22 38.8	300.5	-52.5
22		148 43.1	S22 38.6	321.6	-60.1
23		163 42.8	S22 38.3	350.1	-64.2
00	2026-01-05	178 42.5	S22 38.0	021.5	-63.2
01		193 42.2	S22 37.7	047.3	-57.5
02		208 41.9	S22 37.5	065.9	-49.1
03		223 41.7	S22 37.2	079.9	-39.6
04		238 41.4	S22 36.9	091.6	-29.6
05		253 41.1	S22 36.6	102.3	-19.7
06		268 40.8	S22 36.3	112.7	-10.2
07		283 40.6	S22 36.1	123.4	-01.3
08		298 40.3	S22 35.8	134.9	+06.6
09		313 40.0	S22 35.5	147.4	+12.8
10		328 39.7	S22 35.2	161.0	+17.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
11		343 39.4	S22 34.9	175.4	+19.2
12		358 39.2	S22 34.6	190.0	+18.7
13		13 38.9	S22 34.3	204.2	+15.8
14		28 38.6	S22 34.1	217.4	+10.7
15		43 38.3	S22 33.8	229.5	+03.9
16		58 38.1	S22 33.5	240.7	-04.5
17		73 37.8	S22 33.2	251.2	-13.6
18		88 37.5	S22 32.9	261.7	-23.3
19		103 37.2	S22 32.6	272.6	-33.3
20		118 37.0	S22 32.3	285.0	-43.1
21		133 36.7	S22 32.0	300.5	-52.3
22		148 36.4	S22 31.7	321.5	-59.9
23		163 36.1	S22 31.4	349.9	-64.1
00	2026-01-06	178 35.9	S22 31.1	021.2	-63.1
01		193 35.6	S22 30.8	047.0	-57.4
02		208 35.3	S22 30.5	065.6	-49.1
03		223 35.0	S22 30.2	079.7	-39.5
04		238 34.8	S22 29.9	091.5	-29.6
05		253 34.5	S22 29.6	102.1	-19.7
06		268 34.2	S22 29.3	112.5	-10.1
07		283 33.9	S22 29.0	123.3	-01.3
08		298 33.7	S22 28.7	134.7	+06.6
09		313 33.4	S22 28.4	147.3	+12.8
10		328 33.1	S22 28.1	160.9	+17.2
11		343 32.9	S22 27.8	175.3	+19.3
12		358 32.6	S22 27.5	189.9	+18.8
13		13 32.3	S22 27.2	204.1	+15.9
14		28 32.0	S22 26.9	217.4	+10.8
15		43 31.8	S22 26.6	229.5	+04.1
16		58 31.5	S22 26.3	240.7	-04.3
17		73 31.2	S22 26.0	251.2	-13.4
18		88 31.0	S22 25.7	261.7	-23.1
19		103 30.7	S22 25.4	272.6	-33.1
20		118 30.4	S22 25.1	285.0	-43.0
21		133 30.1	S22 24.7	300.5	-52.2
22		148 29.9	S22 24.4	321.4	-59.8
23		163 29.6	S22 24.1	349.7	-63.9
00	2026-01-07	178 29.3	S22 23.8	021.0	-63.0
01		193 29.1	S22 23.5	046.7	-57.4
02		208 28.8	S22 23.2	065.4	-49.1
03		223 28.5	S22 22.9	079.5	-39.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
04		238 28.3	S22 22.5	091.3	-29.6
05		253 28.0	S22 22.2	101.9	-19.7
06		268 27.7	S22 21.9	112.4	-10.1
07		283 27.4	S22 21.6	123.1	-01.3
08		298 27.2	S22 21.3	134.6	+06.7
09		313 26.9	S22 20.9	147.1	+12.9
10		328 26.6	S22 20.6	160.7	+17.3
11		343 26.4	S22 20.3	175.2	+19.4
12		358 26.1	S22 20.0	189.8	+19.0
13		13 25.8	S22 19.7	204.1	+16.1
14		28 25.6	S22 19.3	217.3	+11.0
15		43 25.3	S22 19.0	229.5	+04.2
16		58 25.0	S22 18.7	240.7	-04.2
17		73 24.8	S22 18.4	251.3	-13.3
18		88 24.5	S22 18.0	261.7	-23.0
19		103 24.2	S22 17.7	272.7	-32.9
20		118 24.0	S22 17.4	285.1	-42.8
21		133 23.7	S22 17.0	300.5	-52.0
22		148 23.4	S22 16.7	321.3	-59.6
23		163 23.2	S22 16.4	349.5	-63.8
00	2026-01-08	178 22.9	S22 16.0	020.7	-62.9
01		193 22.6	S22 15.7	046.4	-57.3
02		208 22.4	S22 15.4	065.1	-49.0
03		223 22.1	S22 15.0	079.3	-39.5
04		238 21.9	S22 14.7	091.1	-29.6
05		253 21.6	S22 14.4	101.8	-19.6
06		268 21.3	S22 14.0	112.2	-10.1
07		283 21.1	S22 13.7	122.9	-01.2
08		298 20.8	S22 13.4	134.4	+06.7
09		313 20.5	S22 13.0	147.0	+13.0
10		328 20.3	S22 12.7	160.6	+17.4
11		343 20.0	S22 12.3	175.1	+19.5
12		358 19.8	S22 12.0	189.8	+19.1
13		13 19.5	S22 11.7	204.0	+16.2
14		28 19.2	S22 11.3	217.3	+11.1
15		43 19.0	S22 11.0	229.5	+04.4
16		58 18.7	S22 10.6	240.7	-04.0
17		73 18.4	S22 10.3	251.3	-13.1
18		88 18.2	S22 09.9	261.7	-22.8
19		103 17.9	S22 09.6	272.7	-32.8
20		118 17.7	S22 09.2	285.1	-42.6
21		133 17.4	S22 08.9	300.5	-51.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
22		148 17.1	S22 08.5	321.3	-59.4
23		163 16.9	S22 08.2	349.3	-63.6
00	2026-01-09	178 16.6	S22 07.8	020.4	-62.8
01		193 16.4	S22 07.5	046.1	-57.2
02		208 16.1	S22 07.1	064.9	-49.0
03		223 15.8	S22 06.8	079.1	-39.5
04		238 15.6	S22 06.4	090.9	-29.5
05		253 15.3	S22 06.1	101.6	-19.6
06		268 15.1	S22 05.7	112.0	-10.0
07		283 14.8	S22 05.4	122.8	-01.2
08		298 14.6	S22 05.0	134.3	+06.8
09		313 14.3	S22 04.6	146.8	+13.1
10		328 14.0	S22 04.3	160.5	+17.5
11		343 13.8	S22 03.9	174.9	+19.7
12		358 13.5	S22 03.6	189.7	+19.3
13		13 13.3	S22 03.2	204.0	+16.4
14		28 13.0	S22 02.9	217.3	+11.3
15		43 12.8	S22 02.5	229.5	+04.5
16		58 12.5	S22 02.1	240.7	-03.8
17		73 12.2	S22 01.8	251.3	-12.9
18		88 12.0	S22 01.4	261.8	-22.6
19		103 11.7	S22 01.0	272.7	-32.6
20		118 11.5	S22 00.7	285.1	-42.5
21		133 11.2	S22 00.3	300.5	-51.7
22		148 11.0	S21 59.9	321.3	-59.3
23		163 10.7	S21 59.6	349.2	-63.5
00	2026-01-10	178 10.5	S21 59.2	020.1	-62.7
01		193 10.2	S21 58.8	045.9	-57.2
02		208 10.0	S21 58.5	064.6	-48.9
03		223 09.7	S21 58.1	078.9	-39.4
04		238 09.4	S21 57.7	090.7	-29.5
05		253 09.2	S21 57.3	101.4	-19.6
06		268 08.9	S21 57.0	111.9	-10.0
07		283 08.7	S21 56.6	122.6	-01.1
08		298 08.4	S21 56.2	134.1	+06.9
09		313 08.2	S21 55.8	146.7	+13.2
10		328 07.9	S21 55.5	160.3	+17.6
11		343 07.7	S21 55.1	174.8	+19.8
12		358 07.4	S21 54.7	189.6	+19.4
13		13 07.2	S21 54.3	203.9	+16.5
14		28 06.9	S21 54.0	217.2	+11.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
15		43 06.7	S21 53.6	229.5	+04.7
16		58 06.4	S21 53.2	240.7	-03.6
17		73 06.2	S21 52.8	251.3	-12.8
18		88 05.9	S21 52.4	261.8	-22.5
19		103 05.7	S21 52.1	272.8	-32.4
20		118 05.4	S21 51.7	285.2	-42.3
21		133 05.2	S21 51.3	300.5	-51.5
22		148 04.9	S21 50.9	321.2	-59.1
23		163 04.7	S21 50.5	349.0	-63.3
00	2026-01-11	178 04.4	S21 50.1	019.8	-62.5
01		193 04.2	S21 49.7	045.6	-57.1
02		208 03.9	S21 49.4	064.4	-48.9
03		223 03.7	S21 49.0	078.7	-39.4
04		238 03.4	S21 48.6	090.5	-29.5
05		253 03.2	S21 48.2	101.2	-19.5
06		268 02.9	S21 47.8	111.7	-09.9
07		283 02.7	S21 47.4	122.4	-01.0
08		298 02.5	S21 47.0	134.0	+06.9
09		313 02.2	S21 46.6	146.5	+13.3
10		328 02.0	S21 46.2	160.2	+17.8
11		343 01.7	S21 45.8	174.7	+19.9
12		358 01.5	S21 45.4	189.5	+19.6
13		13 01.2	S21 45.0	203.9	+16.7
14		28 01.0	S21 44.6	217.2	+11.7
15		43 00.7	S21 44.2	229.5	+04.9
16		58 00.5	S21 43.8	240.8	-03.5
17		73 00.2	S21 43.4	251.4	-12.6
18		88 00.0	S21 43.0	261.9	-22.3
19		102 59.8	S21 42.6	272.8	-32.3
20		117 59.5	S21 42.2	285.2	-42.1
21		132 59.3	S21 41.8	300.6	-51.3
22		147 59.0	S21 41.4	321.2	-58.9
23		162 58.8	S21 41.0	348.9	-63.2
00	2026-01-12	177 58.5	S21 40.6	019.6	-62.4
01		192 58.3	S21 40.2	045.3	-57.0
02		207 58.1	S21 39.8	064.1	-48.8
03		222 57.8	S21 39.4	078.4	-39.4
04		237 57.6	S21 39.0	090.3	-29.4
05		252 57.3	S21 38.6	101.0	-19.5
06		267 57.1	S21 38.2	111.5	-09.9
07		282 56.9	S21 37.8	122.3	-00.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
08		297 56.6	S21 37.4	133.8	+07.0
09		312 56.4	S21 37.0	146.4	+13.4
10		327 56.1	S21 36.6	160.1	+17.9
11		342 55.9	S21 36.1	174.6	+20.1
12		357 55.7	S21 35.7	189.4	+19.7
13		12 55.4	S21 35.3	203.8	+16.9
14		27 55.2	S21 34.9	217.2	+11.8
15		42 54.9	S21 34.5	229.5	+05.1
16		57 54.7	S21 34.1	240.8	-03.3
17		72 54.5	S21 33.7	251.4	-12.4
18		87 54.2	S21 33.2	261.9	-22.1
19		102 54.0	S21 32.8	272.9	-32.1
20		117 53.7	S21 32.4	285.3	-41.9
21		132 53.5	S21 32.0	300.6	-51.1
22		147 53.3	S21 31.6	321.2	-58.7
23		162 53.0	S21 31.1	348.7	-63.0
00	2026-01-13	177 52.8	S21 30.7	019.3	-62.3
01		192 52.6	S21 30.3	045.0	-56.9
02		207 52.3	S21 29.9	063.9	-48.7
03		222 52.1	S21 29.4	078.2	-39.3
04		237 51.9	S21 29.0	090.1	-29.4
05		252 51.6	S21 28.6	100.9	-19.4
06		267 51.4	S21 28.2	111.3	-09.8
07		282 51.2	S21 27.7	122.1	-00.3
08		297 50.9	S21 27.3	133.6	+07.1
09		312 50.7	S21 26.9	146.2	+13.5
10		327 50.5	S21 26.5	159.9	+18.0
11		342 50.2	S21 26.0	174.5	+20.3
12		357 50.0	S21 25.6	189.4	+19.9
13		12 49.8	S21 25.2	203.8	+17.1
14		27 49.5	S21 24.7	217.2	+12.0
15		42 49.3	S21 24.3	229.5	+05.3
16		57 49.1	S21 23.9	240.8	-03.1
17		72 48.8	S21 23.4	251.5	-12.2
18		87 48.6	S21 23.0	262.0	-21.9
19		102 48.4	S21 22.6	273.0	-31.9
20		117 48.1	S21 22.1	285.4	-41.8
21		132 47.9	S21 21.7	300.7	-51.0
22		147 47.7	S21 21.3	321.2	-58.5
23		162 47.4	S21 20.8	348.6	-62.8
00	2026-01-14	177 47.2	S21 20.4	019.0	-62.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
01		192 47.0	S21 19.9	044.7	-56.8
02		207 46.8	S21 19.5	063.6	-48.7
03		222 46.5	S21 19.1	078.0	-39.2
04		237 46.3	S21 18.6	089.9	-29.3
05		252 46.1	S21 18.2	100.7	-19.4
06		267 45.8	S21 17.7	111.1	-09.7
07		282 45.6	S21 17.3	121.9	-00.2
08		297 45.4	S21 16.8	133.5	+07.2
09		312 45.2	S21 16.4	146.1	+13.6
10		327 44.9	S21 16.0	159.8	+18.2
11		342 44.7	S21 15.5	174.4	+20.4
12		357 44.5	S21 15.1	189.3	+20.1
13		12 44.3	S21 14.6	203.7	+17.3
14		27 44.0	S21 14.2	217.2	+12.2
15		42 43.8	S21 13.7	229.5	+05.5
16		57 43.6	S21 13.3	240.9	-02.9
17		72 43.4	S21 12.8	251.5	-12.0
18		87 43.1	S21 12.4	262.1	-21.8
19		102 42.9	S21 11.9	273.1	-31.7
20		117 42.7	S21 11.5	285.5	-41.6
21		132 42.5	S21 11.0	300.8	-50.8
22		147 42.2	S21 10.5	321.2	-58.3
23		162 42.0	S21 10.1	348.5	-62.6
00	2026-01-15	177 41.8	S21 09.6	018.8	-62.0
01		192 41.6	S21 09.2	044.4	-56.7
02		207 41.3	S21 08.7	063.3	-48.6
03		222 41.1	S21 08.3	077.7	-39.2
04		237 40.9	S21 07.8	089.7	-29.2
05		252 40.7	S21 07.3	100.5	-19.3
06		267 40.5	S21 06.9	111.0	-09.7
07		282 40.2	S21 06.4	121.8	-00.1
08		297 40.0	S21 06.0	133.3	+07.3
09		312 39.8	S21 05.5	145.9	+13.8
10		327 39.6	S21 05.0	159.7	+18.3
11		342 39.3	S21 04.6	174.3	+20.6
12		357 39.1	S21 04.1	189.2	+20.3
13		12 38.9	S21 03.6	203.7	+17.5
14		27 38.7	S21 03.2	217.2	+12.4
15		42 38.5	S21 02.7	229.6	+05.6
16		57 38.3	S21 02.2	240.9	-02.7
17		72 38.0	S21 01.8	251.6	-11.8
18		87 37.8	S21 01.3	262.1	-21.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
19		102 37.6	S21 00.8	273.1	-31.5
20		117 37.4	S21 00.4	285.6	-41.4
21		132 37.2	S20 59.9	300.8	-50.6
22		147 36.9	S20 59.4	321.2	-58.1
23		162 36.7	S20 59.0	348.3	-62.4
00	2026-01-16	177 36.5	S20 58.5	018.5	-61.8
01		192 36.3	S20 58.0	044.1	-56.6
02		207 36.1	S20 57.5	063.0	-48.5
03		222 35.9	S20 57.1	077.5	-39.1
04		237 35.7	S20 56.6	089.4	-29.2
05		252 35.4	S20 56.1	100.3	-19.2
06		267 35.2	S20 55.6	110.8	-09.6
07		282 35.0	S20 55.2	121.6	-00.0
08		297 34.8	S20 54.7	133.1	+07.5
09		312 34.6	S20 54.2	145.8	+13.9
10		327 34.4	S20 53.7	159.5	+18.5
11		342 34.2	S20 53.2	174.2	+20.8
12		357 33.9	S20 52.8	189.2	+20.5
13		12 33.7	S20 52.3	203.7	+17.7
14		27 33.5	S20 51.8	217.2	+12.6
15		42 33.3	S20 51.3	229.6	+05.8
16		57 33.1	S20 50.8	241.0	-02.5
17		72 32.9	S20 50.3	251.7	-11.7
18		87 32.7	S20 49.9	262.2	-21.4
19		102 32.5	S20 49.4	273.2	-31.3
20		117 32.3	S20 48.9	285.6	-41.2
21		132 32.0	S20 48.4	300.9	-50.4
22		147 31.8	S20 47.9	321.2	-57.9
23		162 31.6	S20 47.4	348.2	-62.2
00	2026-01-17	177 31.4	S20 46.9	018.3	-61.6
01		192 31.2	S20 46.4	043.8	-56.4
02		207 31.0	S20 45.9	062.8	-48.4
03		222 30.8	S20 45.5	077.2	-39.0
04		237 30.6	S20 45.0	089.2	-29.1
05		252 30.4	S20 44.5	100.1	-19.1
06		267 30.2	S20 44.0	110.6	-09.5
07		282 30.0	S20 43.5	121.4	+00.1
08		297 29.8	S20 43.0	133.0	+07.6
09		312 29.6	S20 42.5	145.6	+14.1
10		327 29.3	S20 42.0	159.4	+18.7
11		342 29.1	S20 41.5	174.1	+21.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
12		357 28.9	S20 41.0	189.1	+20.7
13		12 28.7	S20 40.5	203.7	+17.9
14		27 28.5	S20 40.0	217.2	+12.8
15		42 28.3	S20 39.5	229.6	+06.0
16		57 28.1	S20 39.0	241.0	-02.3
17		72 27.9	S20 38.5	251.8	-11.5
18		87 27.7	S20 38.0	262.3	-21.2
19		102 27.5	S20 37.5	273.3	-31.2
20		117 27.3	S20 37.0	285.8	-41.0
21		132 27.1	S20 36.5	301.0	-50.2
22		147 26.9	S20 36.0	321.3	-57.7
23		162 26.7	S20 35.5	348.1	-62.0
00	2026-01-18	177 26.5	S20 35.0	018.0	-61.5
01		192 26.3	S20 34.5	043.5	-56.3
02		207 26.1	S20 34.0	062.5	-48.3
03		222 25.9	S20 33.5	077.0	-38.9
04		237 25.7	S20 32.9	089.0	-29.0
05		252 25.5	S20 32.4	099.9	-19.0
06		267 25.3	S20 31.9	110.4	-09.4
07		282 25.1	S20 31.4	121.2	+00.2
08		297 24.9	S20 30.9	132.8	+07.7
09		312 24.7	S20 30.4	145.4	+14.2
10		327 24.5	S20 29.9	159.3	+18.9
11		342 24.3	S20 29.4	174.0	+21.2
12		357 24.1	S20 28.9	189.1	+20.9
13		12 23.9	S20 28.3	203.7	+18.1
14		27 23.7	S20 27.8	217.3	+13.1
15		42 23.5	S20 27.3	229.7	+06.3
16		57 23.3	S20 26.8	241.1	-02.1
17		72 23.1	S20 26.3	251.8	-11.3
18		87 22.9	S20 25.8	262.4	-21.0
19		102 22.7	S20 25.2	273.4	-31.0
20		117 22.5	S20 24.7	285.9	-40.8
21		132 22.3	S20 24.2	301.1	-50.0
22		147 22.1	S20 23.7	321.3	-57.5
23		162 21.9	S20 23.2	348.0	-61.8
00	2026-01-19	177 21.7	S20 22.6	017.8	-61.3
01		192 21.6	S20 22.1	043.2	-56.2
02		207 21.4	S20 21.6	062.2	-48.2
03		222 21.2	S20 21.1	076.7	-38.8
04		237 21.0	S20 20.5	088.8	-28.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
05		252 20.8	S20 20.0	099.6	-18.9
06		267 20.6	S20 19.5	110.2	-09.3
07		282 20.4	S20 19.0	121.0	+00.3
08		297 20.2	S20 18.4	132.6	+07.9
09		312 20.0	S20 17.9	145.3	+14.4
10		327 19.8	S20 17.4	159.1	+19.0
11		342 19.6	S20 16.9	173.9	+21.4
12		357 19.4	S20 16.3	189.0	+21.1
13		12 19.3	S20 15.8	203.6	+18.3
14		27 19.1	S20 15.3	217.3	+13.3
15		42 18.9	S20 14.7	229.7	+06.5
16		57 18.7	S20 14.2	241.2	-01.9
17		72 18.5	S20 13.7	251.9	-11.0
18		87 18.3	S20 13.1	262.5	-20.8
19		102 18.1	S20 12.6	273.6	-30.8
20		117 17.9	S20 12.1	286.0	-40.6
21		132 17.7	S20 11.5	301.2	-49.7
22		147 17.6	S20 11.0	321.4	-57.3
23		162 17.4	S20 10.5	348.0	-61.6
00	2026-01-20	177 17.2	S20 09.9	017.5	-61.1
01		192 17.0	S20 09.4	042.9	-56.0
02		207 16.8	S20 08.8	061.9	-48.1
03		222 16.6	S20 08.3	076.5	-38.7
04		237 16.4	S20 07.8	088.5	-28.8
05		252 16.3	S20 07.2	099.4	-18.8
06		267 16.1	S20 06.7	110.0	-09.2
07		282 15.9	S20 06.1	120.8	+00.4
08		297 15.7	S20 05.6	132.4	+08.0
09		312 15.5	S20 05.0	145.1	+14.5
10		327 15.3	S20 04.5	159.0	+19.2
11		342 15.2	S20 04.0	173.8	+21.6
12		357 15.0	S20 03.4	189.0	+21.3
13		12 14.8	S20 02.9	203.6	+18.6
14		27 14.6	S20 02.3	217.3	+13.5
15		42 14.4	S20 01.8	229.8	+06.7
16		57 14.2	S20 01.2	241.3	-01.7
17		72 14.1	S20 00.7	252.0	-10.8
18		87 13.9	S20 00.1	262.6	-20.6
19		102 13.7	S19 59.6	273.7	-30.6
20		117 13.5	S19 59.0	286.1	-40.4
21		132 13.3	S19 58.5	301.4	-49.5
22		147 13.2	S19 57.9	321.5	-57.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		162 13.0	S19 57.4	347.9	-61.3
00	2026-01-21	177 12.8	S19 56.8	017.3	-60.9
01		192 12.6	S19 56.3	042.6	-55.8
02		207 12.5	S19 55.7	061.6	-47.9
03		222 12.3	S19 55.1	076.2	-38.6
04		237 12.1	S19 54.6	088.3	-28.7
05		252 11.9	S19 54.0	099.2	-18.7
06		267 11.7	S19 53.5	109.8	-09.1
07		282 11.6	S19 52.9	120.7	+00.5
08		297 11.4	S19 52.4	132.3	+08.1
09		312 11.2	S19 51.8	145.0	+14.7
10		327 11.0	S19 51.2	158.9	+19.4
11		342 10.9	S19 50.7	173.7	+21.8
12		357 10.7	S19 50.1	188.9	+21.6
13		12 10.5	S19 49.6	203.6	+18.8
14		27 10.3	S19 49.0	217.4	+13.7
15		42 10.2	S19 48.4	229.9	+06.9
16		57 10.0	S19 47.9	241.3	-01.5
17		72 09.8	S19 47.3	252.1	-10.6
18		87 09.6	S19 46.7	262.7	-20.4
19		102 09.5	S19 46.2	273.8	-30.3
20		117 09.3	S19 45.6	286.3	-40.2
21		132 09.1	S19 45.0	301.5	-49.3
22		147 09.0	S19 44.5	321.5	-56.8
23		162 08.8	S19 43.9	347.8	-61.1
00	2026-01-22	177 08.6	S19 43.3	017.1	-60.7
01		192 08.5	S19 42.8	042.3	-55.7
02		207 08.3	S19 42.2	061.4	-47.8
03		222 08.1	S19 41.6	076.0	-38.5
04		237 07.9	S19 41.1	088.1	-28.6
05		252 07.8	S19 40.5	099.0	-18.6
06		267 07.6	S19 39.9	109.6	-08.9
07		282 07.4	S19 39.3	120.5	+00.6
08		297 07.3	S19 38.8	132.1	+08.3
09		312 07.1	S19 38.2	144.8	+14.9
10		327 06.9	S19 37.6	158.8	+19.6
11		342 06.8	S19 37.0	173.6	+22.0
12		357 06.6	S19 36.5	188.9	+21.8
13		12 06.4	S19 35.9	203.6	+19.0
14		27 06.3	S19 35.3	217.4	+14.0
15		42 06.1	S19 34.7	229.9	+07.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		57 05.9	S19 34.1	241.4	-01.2
17		72 05.8	S19 33.6	252.2	-10.4
18		87 05.6	S19 33.0	262.9	-20.2
19		102 05.4	S19 32.4	273.9	-30.1
20		117 05.3	S19 31.8	286.4	-40.0
21		132 05.1	S19 31.2	301.6	-49.1
22		147 05.0	S19 30.7	321.6	-56.6
23		162 04.8	S19 30.1	347.8	-60.9
00	2026-01-23	177 04.6	S19 29.5	016.8	-60.5
01		192 04.5	S19 28.9	042.0	-55.5
02		207 04.3	S19 28.3	061.1	-47.7
03		222 04.1	S19 27.7	075.7	-38.4
04		237 04.0	S19 27.1	087.8	-28.5
05		252 03.8	S19 26.6	098.8	-18.5
06		267 03.7	S19 26.0	109.4	-08.8
07		282 03.5	S19 25.4	120.3	+00.7
08		297 03.3	S19 24.8	131.9	+08.5
09		312 03.2	S19 24.2	144.7	+15.1
10		327 03.0	S19 23.6	158.6	+19.8
11		342 02.9	S19 23.0	173.6	+22.2
12		357 02.7	S19 22.4	188.8	+22.0
13		12 02.6	S19 21.8	203.7	+19.3
14		27 02.4	S19 21.2	217.4	+14.2
15		42 02.2	S19 20.7	230.0	+07.4
16		57 02.1	S19 20.1	241.5	-01.0
17		72 01.9	S19 19.5	252.4	-10.2
18		87 01.8	S19 18.9	263.0	-20.0
19		102 01.6	S19 18.3	274.1	-29.9
20		117 01.5	S19 17.7	286.5	-39.8
21		132 01.3	S19 17.1	301.8	-48.9
22		147 01.1	S19 16.5	321.7	-56.3
23		162 01.0	S19 15.9	347.7	-60.6
00	2026-01-24	177 00.8	S19 15.3	016.6	-60.2
01		192 00.7	S19 14.7	041.7	-55.3
02		207 00.5	S19 14.1	060.8	-47.5
03		222 00.4	S19 13.5	075.4	-38.2
04		237 00.2	S19 12.9	087.6	-28.3
05		252 00.1	S19 12.3	098.6	-18.4
06		266 59.9	S19 11.7	109.2	-08.7
07		281 59.8	S19 11.1	120.1	+00.9
08		296 59.6	S19 10.5	131.7	+08.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		311 59.5	S19 09.9	144.5	+15.3
10		326 59.3	S19 09.3	158.5	+20.0
11		341 59.2	S19 08.7	173.5	+22.5
12		356 59.0	S19 08.1	188.8	+22.3
13		11 58.9	S19 07.4	203.7	+19.5
14		26 58.7	S19 06.8	217.5	+14.4
15		41 58.6	S19 06.2	230.1	+07.6
16		56 58.4	S19 05.6	241.6	-00.2
17		71 58.3	S19 05.0	252.5	-10.0
18		86 58.1	S19 04.4	263.1	-19.7
19		101 58.0	S19 03.8	274.2	-29.7
20		116 57.8	S19 03.2	286.7	-39.5
21		131 57.7	S19 02.6	301.9	-48.6
22		146 57.5	S19 02.0	321.8	-56.1
23		161 57.4	S19 01.3	347.7	-60.4
00	2026-01-25	176 57.2	S19 00.7	016.4	-60.0
01		191 57.1	S19 00.1	041.4	-55.1
02		206 57.0	S18 59.5	060.5	-47.3
03		221 56.8	S18 58.9	075.2	-38.1
04		236 56.7	S18 58.3	087.4	-28.2
05		251 56.5	S18 57.7	098.3	-18.2
06		266 56.4	S18 57.0	109.0	-08.5
07		281 56.2	S18 56.4	119.9	+01.0
08		296 56.1	S18 55.8	131.6	+08.8
09		311 56.0	S18 55.2	144.4	+15.5
10		326 55.8	S18 54.6	158.4	+20.3
11		341 55.7	S18 53.9	173.4	+22.7
12		356 55.5	S18 53.3	188.8	+22.5
13		11 55.4	S18 52.7	203.7	+19.8
14		26 55.2	S18 52.1	217.6	+14.7
15		41 55.1	S18 51.5	230.2	+07.8
16		56 55.0	S18 50.8	241.7	+00.0
17		71 54.8	S18 50.2	252.6	-09.8
18		86 54.7	S18 49.6	263.3	-19.5
19		101 54.6	S18 49.0	274.4	-29.5
20		116 54.4	S18 48.3	286.9	-39.3
21		131 54.3	S18 47.7	302.1	-48.4
22		146 54.1	S18 47.1	321.9	-55.8
23		161 54.0	S18 46.5	347.6	-60.1
00	2026-01-26	176 53.9	S18 45.8	016.2	-59.8
01		191 53.7	S18 45.2	041.2	-54.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		206 53.6	S18 44.6	060.2	-47.2
03		221 53.5	S18 43.9	074.9	-37.9
04		236 53.3	S18 43.3	087.1	-28.1
05		251 53.2	S18 42.7	098.1	-18.1
06		266 53.0	S18 42.0	108.8	-08.4
07		281 52.9	S18 41.4	119.7	+01.1
08		296 52.8	S18 40.8	131.4	+09.0
09		311 52.6	S18 40.2	144.2	+15.7
10		326 52.5	S18 39.5	158.3	+20.5
11		341 52.4	S18 38.9	173.3	+23.0
12		356 52.2	S18 38.2	188.7	+22.8
13		11 52.1	S18 37.6	203.7	+20.0
14		26 52.0	S18 37.0	217.6	+14.9
15		41 51.8	S18 36.3	230.3	+08.1
16		56 51.7	S18 35.7	241.9	+00.2
17		71 51.6	S18 35.1	252.7	-09.6
18		86 51.5	S18 34.4	263.4	-19.3
19		101 51.3	S18 33.8	274.6	-29.3
20		116 51.2	S18 33.1	287.0	-39.1
21		131 51.1	S18 32.5	302.2	-48.2
22		146 50.9	S18 31.9	322.0	-55.6
23		161 50.8	S18 31.2	347.6	-59.9
00	2026-01-27	176 50.7	S18 30.6	016.0	-59.5
01		191 50.6	S18 29.9	040.9	-54.7
02		206 50.4	S18 29.3	059.9	-47.0
03		221 50.3	S18 28.7	074.6	-37.8
04		236 50.2	S18 28.0	086.9	-27.9
05		251 50.0	S18 27.4	097.9	-17.9
06		266 49.9	S18 26.7	108.6	-08.2
07		281 49.8	S18 26.1	119.5	+01.3
08		296 49.7	S18 25.4	131.2	+09.2
09		311 49.5	S18 24.8	144.0	+15.9
10		326 49.4	S18 24.1	158.1	+20.7
11		341 49.3	S18 23.5	173.2	+23.2
12		356 49.2	S18 22.8	188.7	+23.1
13		11 49.0	S18 22.2	203.7	+20.3
14		26 48.9	S18 21.5	217.7	+15.2
15		41 48.8	S18 20.9	230.4	+08.3
16		56 48.7	S18 20.2	242.0	+00.4
17		71 48.6	S18 19.6	252.9	-09.3
18		86 48.4	S18 18.9	263.6	-19.1
19		101 48.3	S18 18.3	274.7	-29.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		116 48.2	S18 17.6	287.2	-38.9
21		131 48.1	S18 17.0	302.4	-47.9
22		146 47.9	S18 16.3	322.1	-55.3
23		161 47.8	S18 15.7	347.6	-59.6
00	2026-01-28	176 47.7	S18 15.0	015.8	-59.3
01		191 47.6	S18 14.4	040.6	-54.5
02		206 47.5	S18 13.7	059.6	-46.8
03		221 47.3	S18 13.0	074.4	-37.6
04		236 47.2	S18 12.4	086.6	-27.8
05		251 47.1	S18 11.7	097.7	-17.8
06		266 47.0	S18 11.1	108.4	-08.0
07		281 46.9	S18 10.4	119.3	+01.5
08		296 46.8	S18 09.7	131.0	+09.4
09		311 46.6	S18 09.1	143.9	+16.1
10		326 46.5	S18 08.4	158.0	+21.0
11		341 46.4	S18 07.8	173.2	+23.5
12		356 46.3	S18 07.1	188.7	+23.3
13		11 46.2	S18 06.4	203.8	+20.5
14		26 46.1	S18 05.8	217.8	+15.4
15		41 46.0	S18 05.1	230.5	+08.5
16		56 45.8	S18 04.4	242.1	+00.6
17		71 45.7	S18 03.8	253.0	-09.1
18		86 45.6	S18 03.1	263.7	-18.9
19		101 45.5	S18 02.4	274.9	-28.9
20		116 45.4	S18 01.8	287.4	-38.6
21		131 45.3	S18 01.1	302.6	-47.7
22		146 45.2	S18 00.4	322.3	-55.1
23		161 45.0	S17 59.8	347.6	-59.3
00	2026-01-29	176 44.9	S17 59.1	015.6	-59.0
01		191 44.8	S17 58.4	040.3	-54.3
02		206 44.7	S17 57.8	059.3	-46.6
03		221 44.6	S17 57.1	074.1	-37.5
04		236 44.5	S17 56.4	086.4	-27.6
05		251 44.4	S17 55.7	097.4	-17.6
06		266 44.3	S17 55.1	108.1	-07.9
07		281 44.2	S17 54.4	119.1	+01.6
08		296 44.1	S17 53.7	130.8	+09.6
09		311 44.0	S17 53.1	143.7	+16.3
10		326 43.8	S17 52.4	157.9	+21.2
11		341 43.7	S17 51.7	173.1	+23.7
12		356 43.6	S17 51.0	188.7	+23.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		11 43.5	S17 50.4	203.8	+20.8
14		26 43.4	S17 49.7	217.8	+15.7
15		41 43.3	S17 49.0	230.6	+08.8
16		56 43.2	S17 48.3	242.2	+00.8
17		71 43.1	S17 47.6	253.2	-08.9
18		86 43.0	S17 47.0	263.9	-18.7
19		101 42.9	S17 46.3	275.1	-28.6
20		116 42.8	S17 45.6	287.6	-38.4
21		131 42.7	S17 44.9	302.8	-47.5
22		146 42.6	S17 44.2	322.4	-54.8
23		161 42.5	S17 43.6	347.6	-59.1
00	2026-01-30	176 42.4	S17 42.9	015.5	-58.8
01		191 42.3	S17 42.2	040.0	-54.1
02		206 42.2	S17 41.5	059.1	-46.5
03		221 42.1	S17 40.8	073.8	-37.3
04		236 42.0	S17 40.1	086.1	-27.4
05		251 41.9	S17 39.5	097.2	-17.4
06		266 41.8	S17 38.8	107.9	-07.7
07		281 41.7	S17 38.1	118.9	+01.8
08		296 41.6	S17 37.4	130.7	+09.8
09		311 41.5	S17 36.7	143.6	+16.6
10		326 41.4	S17 36.0	157.8	+21.5
11		341 41.3	S17 35.3	173.0	+24.0
12		356 41.2	S17 34.6	188.7	+23.9
13		11 41.1	S17 34.0	203.9	+21.1
14		26 41.0	S17 33.3	217.9	+16.0
15		41 40.9	S17 32.6	230.7	+09.0
16		56 40.8	S17 31.9	242.4	+01.0
17		71 40.7	S17 31.2	253.3	-08.6
18		86 40.6	S17 30.5	264.1	-18.4
19		101 40.5	S17 29.8	275.3	-28.4
20		116 40.4	S17 29.1	287.8	-38.2
21		131 40.3	S17 28.4	303.0	-47.2
22		146 40.2	S17 27.7	322.5	-54.6
23		161 40.1	S17 27.0	347.6	-58.8
00	2026-01-31	176 40.0	S17 26.3	015.3	-58.5
01		191 39.9	S17 25.6	039.8	-53.9
02		206 39.8	S17 24.9	058.8	-46.3
03		221 39.7	S17 24.3	073.6	-37.1
04		236 39.6	S17 23.6	085.9	-27.3
05		251 39.6	S17 22.9	097.0	-17.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		266 39.5	S17 22.2	107.7	-07.5
07		281 39.4	S17 21.5	118.7	+02.0
08		296 39.3	S17 20.8	130.5	+10.0
09		311 39.2	S17 20.1	143.4	+16.8
10		326 39.1	S17 19.4	157.7	+21.7
11		341 39.0	S17 18.7	173.0	+24.3
12		356 38.9	S17 18.0	188.7	+24.1
13		11 38.8	S17 17.3	203.9	+21.4
14		26 38.7	S17 16.6	218.0	+16.2
15		41 38.7	S17 15.8	230.8	+09.3
16		56 38.6	S17 15.1	242.5	+01.2
17		71 38.5	S17 14.4	253.5	-08.4
18		86 38.4	S17 13.7	264.3	-18.2
19		101 38.3	S17 13.0	275.5	-28.2
20		116 38.2	S17 12.3	288.0	-38.0
21		131 38.1	S17 11.6	303.2	-47.0
22		146 38.0	S17 10.9	322.7	-54.3
23		161 38.0	S17 10.2	347.6	-58.5
00	2026-02-01	176 37.9	S17 09.5	015.1	-58.3
01		191 37.8	S17 08.8	039.5	-53.6
02		206 37.7	S17 08.1	058.5	-46.0
03		221 37.6	S17 07.4	073.3	-36.9
04		236 37.5	S17 06.7	085.6	-27.1
05		251 37.5	S17 05.9	096.8	-17.1
06		266 37.4	S17 05.2	107.5	-07.3
07		281 37.3	S17 04.5	118.5	+02.2
08		296 37.2	S17 03.8	130.3	+10.2
09		311 37.1	S17 03.1	143.3	+17.1
10		326 37.0	S17 02.4	157.5	+22.0
11		341 37.0	S17 01.7	172.9	+24.6
12		356 36.9	S17 01.0	188.7	+24.4
13		11 36.8	S17 00.2	204.0	+21.6
14		26 36.7	S16 59.5	218.1	+16.5
15		41 36.6	S16 58.8	231.0	+09.5
16		56 36.6	S16 58.1	242.7	+01.4
17		71 36.5	S16 57.4	253.7	-08.2
18		86 36.4	S16 56.7	264.4	-18.0
19		101 36.3	S16 55.9	275.7	-28.0
20		116 36.2	S16 55.2	288.2	-37.7
21		131 36.2	S16 54.5	303.4	-46.7
22		146 36.1	S16 53.8	322.9	-54.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		161 36.0	S16 53.1	347.6	-58.2
00	2026-02-02	176 35.9	S16 52.3	015.0	-58.0
01		191 35.9	S16 51.6	039.3	-53.4
02		206 35.8	S16 50.9	058.2	-45.8
03		221 35.7	S16 50.2	073.0	-36.7
04		236 35.6	S16 49.5	085.4	-26.9
05		251 35.6	S16 48.7	096.5	-16.9
06		266 35.5	S16 48.0	107.3	-07.1
07		281 35.4	S16 47.3	118.3	+02.4
08		296 35.3	S16 46.6	130.1	+10.5
09		311 35.3	S16 45.8	143.1	+17.3
10		326 35.2	S16 45.1	157.4	+22.3
11		341 35.1	S16 44.4	172.8	+24.8
12		356 35.0	S16 43.7	188.7	+24.7
13		11 35.0	S16 42.9	204.0	+21.9
14		26 34.9	S16 42.2	218.2	+16.8
15		41 34.8	S16 41.5	231.1	+09.8
16		56 34.7	S16 40.8	242.8	+01.7
17		71 34.7	S16 40.0	253.8	-07.9
18		86 34.6	S16 39.3	264.6	-17.8
19		101 34.5	S16 38.6	275.9	-27.7
20		116 34.5	S16 37.8	288.4	-37.5
21		131 34.4	S16 37.1	303.6	-46.5
22		146 34.3	S16 36.4	323.0	-53.7
23		161 34.3	S16 35.6	347.7	-57.9
00	2026-02-03	176 34.2	S16 34.9	014.8	-57.7
01		191 34.1	S16 34.2	039.0	-53.1
02		206 34.1	S16 33.4	057.9	-45.6
03		221 34.0	S16 32.7	072.8	-36.5
04		236 33.9	S16 32.0	085.2	-26.7
05		251 33.9	S16 31.2	096.3	-16.7
06		266 33.8	S16 30.5	107.1	-06.9
07		281 33.7	S16 29.8	118.1	+02.6
08		296 33.7	S16 29.0	129.9	+10.7
09		311 33.6	S16 28.3	143.0	+17.6
10		326 33.5	S16 27.6	157.3	+22.5
11		341 33.5	S16 26.8	172.8	+25.1
12		356 33.4	S16 26.1	188.7	+25.0
13		11 33.3	S16 25.3	204.1	+22.2
14		26 33.3	S16 24.6	218.3	+17.0
15		41 33.2	S16 23.9	231.2	+10.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		56 33.1	S16 23.1	243.0	+01.9
17		71 33.1	S16 22.4	254.0	-07.7
18		86 33.0	S16 21.6	264.8	-17.5
19		101 33.0	S16 20.9	276.1	-27.5
20		116 32.9	S16 20.1	288.6	-37.2
21		131 32.8	S16 19.4	303.8	-46.2
22		146 32.8	S16 18.7	323.2	-53.5
23		161 32.7	S16 17.9	347.7	-57.6
00	2026-02-04	176 32.7	S16 17.2	014.7	-57.4
01		191 32.6	S16 16.4	038.8	-52.9
02		206 32.5	S16 15.7	057.7	-45.4
03		221 32.5	S16 14.9	072.5	-36.3
04		236 32.4	S16 14.2	084.9	-26.5
05		251 32.4	S16 13.4	096.1	-16.5
06		266 32.3	S16 12.7	106.9	-06.7
07		281 32.2	S16 12.0	117.9	+02.8
08		296 32.2	S16 11.2	129.8	+10.9
09		311 32.1	S16 10.5	142.8	+17.8
10		326 32.1	S16 09.7	157.2	+22.8
11		341 32.0	S16 09.0	172.7	+25.4
12		356 32.0	S16 08.2	188.7	+25.3
13		11 31.9	S16 07.5	204.1	+22.5
14		26 31.8	S16 06.7	218.4	+17.3
15		41 31.8	S16 05.9	231.4	+10.3
16		56 31.7	S16 05.2	243.2	+02.1
17		71 31.7	S16 04.4	254.2	-07.5
18		86 31.6	S16 03.7	265.0	-17.3
19		101 31.6	S16 02.9	276.3	-27.3
20		116 31.5	S16 02.2	288.9	-37.0
21		131 31.5	S16 01.4	304.0	-45.9
22		146 31.4	S16 00.7	323.4	-53.2
23		161 31.4	S15 59.9	347.7	-57.3
00	2026-02-05	176 31.3	S15 59.2	014.6	-57.1
01		191 31.3	S15 58.4	038.5	-52.6
02		206 31.2	S15 57.6	057.4	-45.2
03		221 31.2	S15 56.9	072.2	-36.1
04		236 31.1	S15 56.1	084.7	-26.3
05		251 31.1	S15 55.4	095.8	-16.3
06		266 31.0	S15 54.6	106.6	-06.5
07		281 31.0	S15 53.9	117.7	+03.0
08		296 30.9	S15 53.1	129.6	+11.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		311 30.9	S15 52.3	142.7	+18.1
10		326 30.8	S15 51.6	157.1	+23.1
11		341 30.8	S15 50.8	172.7	+25.7
12		356 30.7	S15 50.1	188.7	+25.6
13		11 30.7	S15 49.3	204.2	+22.8
14		26 30.6	S15 48.5	218.6	+17.6
15		41 30.6	S15 47.8	231.5	+10.6
16		56 30.5	S15 47.0	243.3	+02.4
17		71 30.5	S15 46.2	254.4	-07.2
18		86 30.4	S15 45.5	265.2	-17.1
19		101 30.4	S15 44.7	276.5	-27.0
20		116 30.4	S15 43.9	289.1	-36.8
21		131 30.3	S15 43.2	304.3	-45.7
22		146 30.3	S15 42.4	323.5	-52.9
23		161 30.2	S15 41.6	347.8	-57.0
00	2026-02-06	176 30.2	S15 40.9	014.4	-56.8
01		191 30.1	S15 40.1	038.3	-52.3
02		206 30.1	S15 39.3	057.1	-44.9
03		221 30.1	S15 38.6	072.0	-35.9
04		236 30.0	S15 37.8	084.4	-26.1
05		251 30.0	S15 37.0	095.6	-16.1
06		266 29.9	S15 36.3	106.4	-06.3
07		281 29.9	S15 35.5	117.5	+03.2
08		296 29.8	S15 34.7	129.4	+11.4
09		311 29.8	S15 33.9	142.5	+18.3
10		326 29.8	S15 33.2	157.0	+23.4
11		341 29.7	S15 32.4	172.6	+26.0
12		356 29.7	S15 31.6	188.7	+25.9
13		11 29.6	S15 30.9	204.3	+23.1
14		26 29.6	S15 30.1	218.7	+17.9
15		41 29.6	S15 29.3	231.7	+10.8
16		56 29.5	S15 28.5	243.5	+02.6
17		71 29.5	S15 27.8	254.6	-07.0
18		86 29.5	S15 27.0	265.4	-16.8
19		101 29.4	S15 26.2	276.7	-26.8
20		116 29.4	S15 25.4	289.3	-36.5
21		131 29.3	S15 24.6	304.5	-45.4
22		146 29.3	S15 23.9	323.7	-52.6
23		161 29.3	S15 23.1	347.9	-56.7
00	2026-02-07	176 29.2	S15 22.3	014.3	-56.5
01		191 29.2	S15 21.5	038.0	-52.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		206 29.2	S15 20.8	056.8	-44.7
03		221 29.1	S15 20.0	071.7	-35.7
04		236 29.1	S15 19.2	084.2	-25.9
05		251 29.1	S15 18.4	095.4	-15.9
06		266 29.0	S15 17.6	106.2	-06.1
07		281 29.0	S15 16.8	117.3	+03.4
08		296 29.0	S15 16.1	129.2	+11.7
09		311 28.9	S15 15.3	142.3	+18.6
10		326 28.9	S15 14.5	156.9	+23.7
11		341 28.9	S15 13.7	172.6	+26.3
12		356 28.8	S15 12.9	188.7	+26.2
13		11 28.8	S15 12.1	204.4	+23.4
14		26 28.8	S15 11.4	218.8	+18.2
15		41 28.7	S15 10.6	231.9	+11.1
16		56 28.7	S15 09.8	243.7	+02.8
17		71 28.7	S15 09.0	254.8	-06.8
18		86 28.7	S15 08.2	265.7	-16.6
19		101 28.6	S15 07.4	277.0	-26.6
20		116 28.6	S15 06.6	289.6	-36.3
21		131 28.6	S15 05.9	304.7	-45.2
22		146 28.5	S15 05.1	323.9	-52.3
23		161 28.5	S15 04.3	347.9	-56.4
00	2026-02-08	176 28.5	S15 03.5	014.2	-56.2
01		191 28.5	S15 02.7	037.8	-51.8
02		206 28.4	S15 01.9	056.6	-44.4
03		221 28.4	S15 01.1	071.4	-35.4
04		236 28.4	S15 00.3	083.9	-25.7
05		251 28.4	S14 59.5	095.1	-15.7
06		266 28.3	S14 58.7	106.0	-05.8
07		281 28.3	S14 58.0	117.1	+03.7
08		296 28.3	S14 57.2	129.0	+11.9
09		311 28.3	S14 56.4	142.2	+18.9
10		326 28.2	S14 55.6	156.8	+24.0
11		341 28.2	S14 54.8	172.5	+26.6
12		356 28.2	S14 54.0	188.8	+26.5
13		11 28.2	S14 53.2	204.5	+23.7
14		26 28.1	S14 52.4	218.9	+18.5
15		41 28.1	S14 51.6	232.0	+11.4
16		56 28.1	S14 50.8	243.9	+03.1
17		71 28.1	S14 50.0	255.0	-06.5
18		86 28.1	S14 49.2	265.9	-16.4
19		101 28.0	S14 48.4	277.2	-26.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		116 28.0	S14 47.6	289.8	-36.0
21		131 28.0	S14 46.8	305.0	-44.9
22		146 28.0	S14 46.0	324.1	-52.0
23		161 28.0	S14 45.2	348.0	-56.1
00	2026-02-09	176 27.9	S14 44.4	014.1	-55.9
01		191 27.9	S14 43.6	037.6	-51.5
02		206 27.9	S14 42.8	056.3	-44.2
03		221 27.9	S14 42.0	071.2	-35.2
04		236 27.9	S14 41.2	083.7	-25.4
05		251 27.8	S14 40.4	094.9	-15.4
06		266 27.8	S14 39.6	105.8	-05.6
07		281 27.8	S14 38.8	116.9	+03.9
08		296 27.8	S14 38.0	128.9	+12.2
09		311 27.8	S14 37.2	142.0	+19.2
10		326 27.8	S14 36.4	156.7	+24.3
11		341 27.8	S14 35.6	172.5	+27.0
12		356 27.7	S14 34.8	188.8	+26.9
13		11 27.7	S14 34.0	204.6	+24.0
14		26 27.7	S14 33.2	219.1	+18.8
15		41 27.7	S14 32.4	232.2	+11.6
16		56 27.7	S14 31.6	244.1	+03.3
17		71 27.7	S14 30.7	255.2	-06.3
18		86 27.7	S14 29.9	266.1	-16.1
19		101 27.6	S14 29.1	277.4	-26.1
20		116 27.6	S14 28.3	290.1	-35.8
21		131 27.6	S14 27.5	305.2	-44.6
22		146 27.6	S14 26.7	324.3	-51.7
23		161 27.6	S14 25.9	348.1	-55.8
00	2026-02-10	176 27.6	S14 25.1	014.0	-55.6
01		191 27.6	S14 24.3	037.3	-51.2
02		206 27.6	S14 23.5	056.1	-43.9
03		221 27.5	S14 22.6	070.9	-35.0
04		236 27.5	S14 21.8	083.4	-25.2
05		251 27.5	S14 21.0	094.7	-15.2
06		266 27.5	S14 20.2	105.5	-05.4
07		281 27.5	S14 19.4	116.7	+04.2
08		296 27.5	S14 18.6	128.7	+12.5
09		311 27.5	S14 17.8	141.9	+19.5
10		326 27.5	S14 17.0	156.6	+24.6
11		341 27.5	S14 16.1	172.5	+27.3
12		356 27.5	S14 15.3	188.8	+27.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		11 27.5	S14 14.5	204.6	+24.3
14		26 27.5	S14 13.7	219.2	+19.0
15		41 27.5	S14 12.9	232.4	+11.9
16		56 27.4	S14 12.1	244.3	+03.6
17		71 27.4	S14 11.2	255.4	-06.0
18		86 27.4	S14 10.4	266.3	-15.9
19		101 27.4	S14 09.6	277.7	-25.8
20		116 27.4	S14 08.8	290.3	-35.5
21		131 27.4	S14 08.0	305.5	-44.4
22		146 27.4	S14 07.2	324.5	-51.4
23		161 27.4	S14 06.3	348.1	-55.5
00	2026-02-11	176 27.4	S14 05.5	013.9	-55.3
01		191 27.4	S14 04.7	037.1	-50.9
02		206 27.4	S14 03.9	055.8	-43.6
03		221 27.4	S14 03.0	070.7	-34.7
04		236 27.4	S14 02.2	083.2	-25.0
05		251 27.4	S14 01.4	094.4	-15.0
06		266 27.4	S14 00.6	105.3	-05.1
07		281 27.4	S13 59.8	116.5	+04.4
08		296 27.4	S13 58.9	128.5	+12.7
09		311 27.4	S13 58.1	141.7	+19.8
10		326 27.4	S13 57.3	156.5	+24.9
11		341 27.4	S13 56.5	172.4	+27.6
12		356 27.4	S13 55.6	188.9	+27.5
13		11 27.4	S13 54.8	204.8	+24.6
14		26 27.4	S13 54.0	219.4	+19.3
15		41 27.4	S13 53.2	232.6	+12.2
16		56 27.4	S13 52.3	244.5	+03.8
17		71 27.4	S13 51.5	255.6	-05.8
18		86 27.4	S13 50.7	266.6	-15.6
19		101 27.4	S13 49.9	277.9	-25.6
20		116 27.4	S13 49.0	290.6	-35.3
21		131 27.4	S13 48.2	305.7	-44.1
22		146 27.4	S13 47.4	324.7	-51.1
23		161 27.4	S13 46.5	348.2	-55.1
00	2026-02-12	176 27.4	S13 45.7	013.8	-54.9
01		191 27.4	S13 44.9	036.9	-50.6
02		206 27.4	S13 44.0	055.5	-43.4
03		221 27.4	S13 43.2	070.4	-34.5
04		236 27.4	S13 42.4	082.9	-24.7
05		251 27.5	S13 41.5	094.2	-14.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		266 27.5	S13 40.7	105.1	-04.9
07		281 27.5	S13 39.9	116.3	+04.7
08		296 27.5	S13 39.1	128.3	+13.0
09		311 27.5	S13 38.2	141.6	+20.1
10		326 27.5	S13 37.4	156.4	+25.2
11		341 27.5	S13 36.6	172.4	+27.9
12		356 27.5	S13 35.7	188.9	+27.8
13		11 27.5	S13 34.9	204.9	+25.0
14		26 27.5	S13 34.0	219.5	+19.6
15		41 27.5	S13 33.2	232.7	+12.5
16		56 27.5	S13 32.4	244.7	+04.1
17		71 27.6	S13 31.5	255.9	-05.5
18		86 27.6	S13 30.7	266.8	-15.4
19		101 27.6	S13 29.9	278.2	-25.4
20		116 27.6	S13 29.0	290.9	-35.0
21		131 27.6	S13 28.2	306.0	-43.8
22		146 27.6	S13 27.3	325.0	-50.8
23		161 27.6	S13 26.5	348.3	-54.8
00	2026-02-13	176 27.6	S13 25.7	013.7	-54.6
01		191 27.6	S13 24.8	036.7	-50.3
02		206 27.7	S13 24.0	055.3	-43.1
03		221 27.7	S13 23.2	070.1	-34.2
04		236 27.7	S13 22.3	082.7	-24.5
05		251 27.7	S13 21.5	094.0	-14.5
06		266 27.7	S13 20.6	104.9	-04.6
07		281 27.7	S13 19.8	116.1	+04.9
08		296 27.7	S13 18.9	128.1	+13.3
09		311 27.8	S13 18.1	141.5	+20.4
10		326 27.8	S13 17.3	156.3	+25.6
11		341 27.8	S13 16.4	172.4	+28.3
12		356 27.8	S13 15.6	188.9	+28.2
13		11 27.8	S13 14.7	205.0	+25.3
14		26 27.8	S13 13.9	219.7	+19.9
15		41 27.9	S13 13.0	232.9	+12.7
16		56 27.9	S13 12.2	244.9	+04.3
17		71 27.9	S13 11.3	256.1	-05.3
18		86 27.9	S13 10.5	267.0	-15.2
19		101 27.9	S13 09.7	278.4	-25.1
20		116 27.9	S13 08.8	291.1	-34.8
21		131 28.0	S13 08.0	306.3	-43.5
22		146 28.0	S13 07.1	325.2	-50.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		161 28.0	S13 06.3	348.4	-54.5
00	2026-02-14	176 28.0	S13 05.4	013.6	-54.3
01		191 28.0	S13 04.6	036.5	-50.0
02		206 28.1	S13 03.7	055.0	-42.8
03		221 28.1	S13 02.9	069.9	-33.9
04		236 28.1	S13 02.0	082.4	-24.2
05		251 28.1	S13 01.2	093.7	-14.2
06		266 28.1	S13 00.3	104.7	-04.4
07		281 28.2	S12 59.5	115.9	+05.2
08		296 28.2	S12 58.6	127.9	+13.6
09		311 28.2	S12 57.8	141.3	+20.7
10		326 28.2	S12 56.9	156.2	+25.9
11		341 28.3	S12 56.1	172.3	+28.6
12		356 28.3	S12 55.2	189.0	+28.5
13		11 28.3	S12 54.4	205.1	+25.6
14		26 28.3	S12 53.5	219.9	+20.2
15		41 28.4	S12 52.6	233.1	+13.0
16		56 28.4	S12 51.8	245.1	+04.6
17		71 28.4	S12 50.9	256.3	-05.0
18		86 28.4	S12 50.1	267.3	-14.9
19		101 28.5	S12 49.2	278.7	-24.9
20		116 28.5	S12 48.4	291.4	-34.5
21		131 28.5	S12 47.5	306.5	-43.2
22		146 28.5	S12 46.7	325.4	-50.2
23		161 28.6	S12 45.8	348.5	-54.1
00	2026-02-15	176 28.6	S12 44.9	013.5	-53.9
01		191 28.6	S12 44.1	036.3	-49.7
02		206 28.6	S12 43.2	054.8	-42.5
03		221 28.7	S12 42.4	069.6	-33.7
04		236 28.7	S12 41.5	082.2	-24.0
05		251 28.7	S12 40.7	093.5	-14.0
06		266 28.8	S12 39.8	104.4	-04.1
07		281 28.8	S12 38.9	115.7	+05.4
08		296 28.8	S12 38.1	127.8	+13.9
09		311 28.8	S12 37.2	141.2	+21.0
10		326 28.9	S12 36.4	156.1	+26.2
11		341 28.9	S12 35.5	172.3	+29.0
12		356 28.9	S12 34.6	189.0	+28.9
13		11 29.0	S12 33.8	205.2	+25.9
14		26 29.0	S12 32.9	220.0	+20.5
15		41 29.0	S12 32.0	233.3	+13.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		56 29.1	S12 31.2	245.4	+04.8
17		71 29.1	S12 30.3	256.6	-04.8
18		86 29.1	S12 29.5	267.5	-14.7
19		101 29.2	S12 28.6	279.0	-24.6
20		116 29.2	S12 27.7	291.7	-34.3
21		131 29.2	S12 26.9	306.8	-43.0
22		146 29.3	S12 26.0	325.6	-49.9
23		161 29.3	S12 25.1	348.6	-53.8
00	2026-02-16	176 29.3	S12 24.3	013.4	-53.6
01		191 29.4	S12 23.4	036.1	-49.4
02		206 29.4	S12 22.5	054.5	-42.2
03		221 29.4	S12 21.7	069.4	-33.4
04		236 29.5	S12 20.8	081.9	-23.7
05		251 29.5	S12 19.9	093.3	-13.7
06		266 29.5	S12 19.1	104.2	-03.8
07		281 29.6	S12 18.2	115.5	+05.7
08		296 29.6	S12 17.3	127.6	+14.2
09		311 29.7	S12 16.5	141.0	+21.3
10		326 29.7	S12 15.6	156.0	+26.6
11		341 29.7	S12 14.7	172.3	+29.3
12		356 29.8	S12 13.9	189.1	+29.2
13		11 29.8	S12 13.0	205.3	+26.2
14		26 29.9	S12 12.1	220.2	+20.8
15		41 29.9	S12 11.2	233.5	+13.6
16		56 29.9	S12 10.4	245.6	+05.1
17		71 30.0	S12 09.5	256.8	-04.5
18		86 30.0	S12 08.6	267.8	-14.4
19		101 30.1	S12 07.8	279.2	-24.4
20		116 30.1	S12 06.9	292.0	-34.0
21		131 30.1	S12 06.0	307.1	-42.7
22		146 30.2	S12 05.1	325.8	-49.6
23		161 30.2	S12 04.3	348.7	-53.4
00	2026-02-17	176 30.3	S12 03.4	013.4	-53.3
01		191 30.3	S12 02.5	035.9	-49.0
02		206 30.3	S12 01.6	054.3	-41.9
03		221 30.4	S12 00.8	069.1	-33.1
04		236 30.4	S11 59.9	081.7	-23.4
05		251 30.5	S11 59.0	093.0	-13.5
06		266 30.5	S11 58.1	104.0	-03.6
07		281 30.6	S11 57.3	115.3	+06.0
08		296 30.6	S11 56.4	127.4	+14.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		311 30.6	S11 55.5	140.9	+21.6
10		326 30.7	S11 54.6	155.9	+26.9
11		341 30.7	S11 53.8	172.3	+29.6
12		356 30.8	S11 52.9	189.2	+29.5
13		11 30.8	S11 52.0	205.5	+26.6
14		26 30.9	S11 51.1	220.4	+21.2
15		41 30.9	S11 50.2	233.8	+13.9
16		56 31.0	S11 49.4	245.8	+05.3
17		71 31.0	S11 48.5	257.1	-04.3
18		86 31.1	S11 47.6	268.1	-14.2
19		101 31.1	S11 46.7	279.5	-24.1
20		116 31.2	S11 45.8	292.2	-33.7
21		131 31.2	S11 45.0	307.3	-42.4
22		146 31.3	S11 44.1	326.1	-49.3
23		161 31.3	S11 43.2	348.8	-53.1
00	2026-02-18	176 31.4	S11 42.3	013.3	-52.9
01		191 31.4	S11 41.4	035.7	-48.7
02		206 31.5	S11 40.6	054.0	-41.6
03		221 31.5	S11 39.7	068.9	-32.8
04		236 31.6	S11 38.8	081.4	-23.2
05		251 31.6	S11 37.9	092.8	-13.2
06		266 31.7	S11 37.0	103.8	-03.3
07		281 31.7	S11 36.1	115.1	+06.3
08		296 31.8	S11 35.3	127.2	+14.8
09		311 31.8	S11 34.4	140.7	+22.0
10		326 31.9	S11 33.5	155.8	+27.2
11		341 31.9	S11 32.6	172.3	+30.0
12		356 32.0	S11 31.7	189.2	+29.9
13		11 32.0	S11 30.8	205.6	+26.9
14		26 32.1	S11 29.9	220.6	+21.5
15		41 32.1	S11 29.1	234.0	+14.1
16		56 32.2	S11 28.2	246.0	+05.6
17		71 32.2	S11 27.3	257.3	-04.0
18		86 32.3	S11 26.4	268.3	-13.9
19		101 32.4	S11 25.5	279.8	-23.9
20		116 32.4	S11 24.6	292.5	-33.5
21		131 32.5	S11 23.7	307.6	-42.1
22		146 32.5	S11 22.8	326.3	-48.9
23		161 32.6	S11 22.0	348.9	-52.8
00	2026-02-19	176 32.6	S11 21.1	013.3	-52.5
01		191 32.7	S11 20.2	035.5	-48.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		206 32.7	S11 19.3	053.8	-41.3
03		221 32.8	S11 18.4	068.6	-32.5
04		236 32.9	S11 17.5	081.2	-22.9
05		251 32.9	S11 16.6	092.6	-12.9
06		266 33.0	S11 15.7	103.6	-03.0
07		281 33.0	S11 14.8	114.9	+06.6
08		296 33.1	S11 13.9	127.0	+15.1
09		311 33.2	S11 13.1	140.6	+22.3
10		326 33.2	S11 12.2	155.7	+27.6
11		341 33.3	S11 11.3	172.3	+30.4
12		356 33.3	S11 10.4	189.3	+30.2
13		11 33.4	S11 09.5	205.7	+27.2
14		26 33.5	S11 08.6	220.8	+21.8
15		41 33.5	S11 07.7	234.2	+14.4
16		56 33.6	S11 06.8	246.3	+05.8
17		71 33.6	S11 05.9	257.6	-03.8
18		86 33.7	S11 05.0	268.6	-13.7
19		101 33.8	S11 04.1	280.1	-23.6
20		116 33.8	S11 03.2	292.8	-33.2
21		131 33.9	S11 02.3	307.9	-41.8
22		146 33.9	S11 01.4	326.5	-48.6
23		161 34.0	S11 00.5	349.0	-52.4
00	2026-02-20	176 34.1	S10 59.6	013.2	-52.2
01		191 34.1	S10 58.7	035.3	-48.0
02		206 34.2	S10 57.8	053.6	-41.0
03		221 34.3	S10 56.9	068.4	-32.3
04		236 34.3	S10 56.0	081.0	-22.6
05		251 34.4	S10 55.1	092.3	-12.6
06		266 34.5	S10 54.3	103.3	-02.7
07		281 34.5	S10 53.4	114.7	+06.9
08		296 34.6	S10 52.5	126.9	+15.4
09		311 34.7	S10 51.6	140.4	+22.6
10		326 34.7	S10 50.7	155.6	+27.9
11		341 34.8	S10 49.8	172.2	+30.7
12		356 34.9	S10 48.9	189.4	+30.6
13		11 34.9	S10 48.0	205.9	+27.6
14		26 35.0	S10 47.1	221.0	+22.1
15		41 35.1	S10 46.2	234.4	+14.7
16		56 35.1	S10 45.3	246.5	+06.1
17		71 35.2	S10 44.4	257.8	-03.5
18		86 35.3	S10 43.4	268.9	-13.4
19		101 35.3	S10 42.5	280.3	-23.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		116 35.4	S10 41.6	293.1	-32.9
21		131 35.5	S10 40.7	308.2	-41.5
22		146 35.5	S10 39.8	326.8	-48.3
23		161 35.6	S10 38.9	349.1	-52.0
00	2026-02-21	176 35.7	S10 38.0	013.2	-51.8
01		191 35.8	S10 37.1	035.2	-47.7
02		206 35.8	S10 36.2	053.3	-40.7
03		221 35.9	S10 35.3	068.1	-32.0
04		236 36.0	S10 34.4	080.7	-22.3
05		251 36.0	S10 33.5	092.1	-12.3
06		266 36.1	S10 32.6	103.1	-02.4
07		281 36.2	S10 31.7	114.5	+07.2
08		296 36.3	S10 30.8	126.7	+15.7
09		311 36.3	S10 29.9	140.3	+23.0
10		326 36.4	S10 29.0	155.6	+28.3
11		341 36.5	S10 28.1	172.2	+31.1
12		356 36.5	S10 27.2	189.5	+30.9
13		11 36.6	S10 26.3	206.0	+27.9
14		26 36.7	S10 25.4	221.2	+22.4
15		41 36.8	S10 24.4	234.6	+15.0
16		56 36.8	S10 23.5	246.8	+06.4
17		71 36.9	S10 22.6	258.1	-03.3
18		86 37.0	S10 21.7	269.1	-13.2
19		101 37.1	S10 20.8	280.6	-23.1
20		116 37.1	S10 19.9	293.4	-32.7
21		131 37.2	S10 19.0	308.5	-41.2
22		146 37.3	S10 18.1	327.0	-48.0
23		161 37.4	S10 17.2	349.3	-51.7
00	2026-02-22	176 37.5	S10 16.3	013.1	-51.5
01		191 37.5	S10 15.4	035.0	-47.4
02		206 37.6	S10 14.4	053.1	-40.4
03		221 37.7	S10 13.5	067.9	-31.7
04		236 37.8	S10 12.6	080.5	-22.0
05		251 37.8	S10 11.7	091.9	-12.1
06		266 37.9	S10 10.8	102.9	-02.1
07		281 38.0	S10 09.9	114.3	+07.5
08		296 38.1	S10 09.0	126.5	+16.0
09		311 38.2	S10 08.1	140.1	+23.3
10		326 38.2	S10 07.2	155.5	+28.6
11		341 38.3	S10 06.2	172.2	+31.4
12		356 38.4	S10 05.3	189.5	+31.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		11 38.5	S10 04.4	206.2	+28.2
14		26 38.6	S10 03.5	221.4	+22.7
15		41 38.6	S10 02.6	234.9	+15.3
16		56 38.7	S10 01.7	247.0	+06.6
17		71 38.8	S10 00.8	258.3	-03.0
18		86 38.9	S09 59.8	269.4	-12.9
19		101 39.0	S09 58.9	280.9	-22.9
20		116 39.1	S09 58.0	293.7	-32.4
21		131 39.1	S09 57.1	308.8	-40.9
22		146 39.2	S09 56.2	327.3	-47.6
23		161 39.3	S09 55.3	349.4	-51.3
00	2026-02-23	176 39.4	S09 54.3	013.1	-51.1
01		191 39.5	S09 53.4	034.8	-47.0
02		206 39.6	S09 52.5	052.9	-40.1
03		221 39.6	S09 51.6	067.7	-31.4
04		236 39.7	S09 50.7	080.2	-21.7
05		251 39.8	S09 49.8	091.6	-11.8
06		266 39.9	S09 48.8	102.7	-01.8
07		281 40.0	S09 47.9	114.1	+07.8
08		296 40.1	S09 47.0	126.3	+16.4
09		311 40.2	S09 46.1	140.0	+23.6
10		326 40.2	S09 45.2	155.4	+29.0
11		341 40.3	S09 44.2	172.2	+31.8
12		356 40.4	S09 43.3	189.6	+31.7
13		11 40.5	S09 42.4	206.4	+28.6
14		26 40.6	S09 41.5	221.6	+23.0
15		41 40.7	S09 40.6	235.1	+15.6
16		56 40.8	S09 39.6	247.3	+06.9
17		71 40.9	S09 38.7	258.6	-02.8
18		86 40.9	S09 37.8	269.7	-12.7
19		101 41.0	S09 36.9	281.2	-22.6
20		116 41.1	S09 36.0	294.0	-32.1
21		131 41.2	S09 35.0	309.1	-40.7
22		146 41.3	S09 34.1	327.5	-47.3
23		161 41.4	S09 33.2	349.5	-51.0
00	2026-02-24	176 41.5	S09 32.3	013.0	-50.7
01		191 41.6	S09 31.4	034.7	-46.7
02		206 41.7	S09 30.4	052.7	-39.7
03		221 41.8	S09 29.5	067.4	-31.0
04		236 41.8	S09 28.6	080.0	-21.4
05		251 41.9	S09 27.7	091.4	-11.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		266 42.0	S09 26.7	102.5	-01.5
07		281 42.1	S09 25.8	113.9	+08.1
08		296 42.2	S09 24.9	126.1	+16.7
09		311 42.3	S09 24.0	139.9	+24.0
10		326 42.4	S09 23.0	155.3	+29.4
11		341 42.5	S09 22.1	172.2	+32.2
12		356 42.6	S09 21.2	189.7	+32.0
13		11 42.7	S09 20.3	206.5	+28.9
14		26 42.8	S09 19.3	221.8	+23.3
15		41 42.9	S09 18.4	235.4	+15.9
16		56 43.0	S09 17.5	247.6	+07.2
17		71 43.1	S09 16.6	258.9	-02.5
18		86 43.2	S09 15.6	270.0	-12.4
19		101 43.3	S09 14.7	281.5	-22.4
20		116 43.3	S09 13.8	294.3	-31.9
21		131 43.4	S09 12.8	309.4	-40.4
22		146 43.5	S09 11.9	327.8	-47.0
23		161 43.6	S09 11.0	349.6	-50.6
00	2026-02-25	176 43.7	S09 10.1	013.0	-50.4
01		191 43.8	S09 09.1	034.5	-46.3
02		206 43.9	S09 08.2	052.5	-39.4
03		221 44.0	S09 07.3	067.2	-30.7
04		236 44.1	S09 06.3	079.8	-21.1
05		251 44.2	S09 05.4	091.2	-11.2
06		266 44.3	S09 04.5	102.3	-01.2
07		281 44.4	S09 03.6	113.6	+08.4
08		296 44.5	S09 02.6	126.0	+17.0
09		311 44.6	S09 01.7	139.7	+24.3
10		326 44.7	S09 00.8	155.2	+29.7
11		341 44.8	S08 59.8	172.2	+32.6
12		356 44.9	S08 58.9	189.8	+32.4
13		11 45.0	S08 58.0	206.7	+29.3
14		26 45.1	S08 57.0	222.0	+23.6
15		41 45.2	S08 56.1	235.6	+16.1
16		56 45.3	S08 55.2	247.8	+07.4
17		71 45.4	S08 54.2	259.2	-02.3
18		86 45.5	S08 53.3	270.3	-12.2
19		101 45.6	S08 52.4	281.8	-22.1
20		116 45.7	S08 51.4	294.6	-31.6
21		131 45.8	S08 50.5	309.7	-40.1
22		146 45.9	S08 49.6	328.0	-46.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		161 46.0	S08 48.6	349.8	-50.2
00	2026-02-26	176 46.1	S08 47.7	013.0	-50.0
01		191 46.2	S08 46.8	034.4	-45.9
02		206 46.3	S08 45.8	052.2	-39.1
03		221 46.4	S08 44.9	067.0	-30.4
04		236 46.5	S08 44.0	079.5	-20.8
05		251 46.6	S08 43.0	091.0	-10.9
06		266 46.8	S08 42.1	102.0	-00.3
07		281 46.9	S08 41.2	113.4	+08.7
08		296 47.0	S08 40.2	125.8	+17.3
09		311 47.1	S08 39.3	139.6	+24.7
10		326 47.2	S08 38.4	155.2	+30.1
11		341 47.3	S08 37.4	172.2	+32.9
12		356 47.4	S08 36.5	189.9	+32.8
13		11 47.5	S08 35.6	206.9	+29.6
14		26 47.6	S08 34.6	222.2	+24.0
15		41 47.7	S08 33.7	235.9	+16.4
16		56 47.8	S08 32.7	248.1	+07.7
17		71 47.9	S08 31.8	259.4	-02.0
18		86 48.0	S08 30.9	270.5	-12.0
19		101 48.1	S08 29.9	282.1	-21.9
20		116 48.2	S08 29.0	294.9	-31.3
21		131 48.3	S08 28.1	310.0	-39.8
22		146 48.5	S08 27.1	328.3	-46.3
23		161 48.6	S08 26.2	349.9	-49.9
00	2026-02-27	176 48.7	S08 25.2	013.0	-49.6
01		191 48.8	S08 24.3	034.2	-45.6
02		206 48.9	S08 23.4	052.0	-38.7
03		221 49.0	S08 22.4	066.7	-30.1
04		236 49.1	S08 21.5	079.3	-20.5
05		251 49.2	S08 20.5	090.7	-10.6
06		266 49.3	S08 19.6	101.8	-00.0
07		281 49.4	S08 18.7	113.2	+09.0
08		296 49.6	S08 17.7	125.6	+17.7
09		311 49.7	S08 16.8	139.4	+25.1
10		326 49.8	S08 15.8	155.1	+30.5
11		341 49.9	S08 14.9	172.3	+33.3
12		356 50.0	S08 14.0	190.0	+33.1
13		11 50.1	S08 13.0	207.1	+30.0
14		26 50.2	S08 12.1	222.5	+24.3
15		41 50.3	S08 11.1	236.1	+16.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		56 50.4	S08 10.2	248.4	+07.9
17		71 50.6	S08 09.2	259.7	-01.8
18		86 50.7	S08 08.3	270.8	-11.7
19		101 50.8	S08 07.4	282.4	-21.6
20		116 50.9	S08 06.4	295.2	-31.1
21		131 51.0	S08 05.5	310.3	-39.5
22		146 51.1	S08 04.5	328.5	-46.0
23		161 51.2	S08 03.6	350.0	-49.5
00	2026-02-28	176 51.4	S08 02.6	012.9	-49.2
01		191 51.5	S08 01.7	034.1	-45.2
02		206 51.6	S08 00.8	051.8	-38.4
03		221 51.7	S07 59.8	066.5	-29.8
04		236 51.8	S07 58.9	079.1	-20.2
05		251 51.9	S07 57.9	090.5	-10.3
06		266 52.1	S07 57.0	101.6	+00.2
07		281 52.2	S07 56.0	113.0	+09.3
08		296 52.3	S07 55.1	125.4	+18.0
09		311 52.4	S07 54.1	139.3	+25.4
10		326 52.5	S07 53.2	155.0	+30.8
11		341 52.6	S07 52.2	172.3	+33.7
12		356 52.8	S07 51.3	190.1	+33.5
13		11 52.9	S07 50.4	207.2	+30.3
14		26 53.0	S07 49.4	222.7	+24.6
15		41 53.1	S07 48.5	236.4	+17.0
16		56 53.2	S07 47.5	248.6	+08.2
17		71 53.3	S07 46.6	260.0	-01.5
18		86 53.5	S07 45.6	271.1	-11.5
19		101 53.6	S07 44.7	282.7	-21.4
20		116 53.7	S07 43.7	295.5	-30.8
21		131 53.8	S07 42.8	310.6	-39.2
22		146 53.9	S07 41.8	328.8	-45.6
23		161 54.1	S07 40.9	350.2	-49.1
00	2026-03-01	176 54.2	S07 39.9	012.9	-48.9
01		191 54.3	S07 39.0	033.9	-44.8
02		206 54.4	S07 38.0	051.6	-38.0
03		221 54.5	S07 37.1	066.3	-29.4
04		236 54.7	S07 36.1	078.8	-19.9
05		251 54.8	S07 35.2	090.3	-09.9
06		266 54.9	S07 34.2	101.4	+00.5
07		281 55.0	S07 33.3	112.8	+09.7
08		296 55.1	S07 32.3	125.3	+18.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		311 55.3	S07 31.4	139.2	+25.8
10		326 55.4	S07 30.4	154.9	+31.2
11		341 55.5	S07 29.5	172.3	+34.1
12		356 55.6	S07 28.5	190.2	+33.9
13		11 55.8	S07 27.6	207.4	+30.6
14		26 55.9	S07 26.6	222.9	+24.9
15		41 56.0	S07 25.7	236.7	+17.3
16		56 56.1	S07 24.7	248.9	+08.5
17		71 56.3	S07 23.8	260.3	-01.3
18		86 56.4	S07 22.8	271.4	-11.2
19		101 56.5	S07 21.9	283.0	-21.1
20		116 56.6	S07 20.9	295.8	-30.5
21		131 56.8	S07 20.0	310.9	-38.9
22		146 56.9	S07 19.0	329.0	-45.3
23		161 57.0	S07 18.1	350.3	-48.8
00	2026-03-02	176 57.1	S07 17.1	012.9	-48.5
01		191 57.3	S07 16.2	033.8	-44.5
02		206 57.4	S07 15.2	051.4	-37.7
03		221 57.5	S07 14.2	066.0	-29.1
04		236 57.6	S07 13.3	078.6	-19.6
05		251 57.8	S07 12.3	090.1	-09.6
06		266 57.9	S07 11.4	101.2	+00.8
07		281 58.0	S07 10.4	112.6	+10.0
08		296 58.1	S07 09.5	125.1	+18.7
09		311 58.3	S07 08.5	139.0	+26.1
10		326 58.4	S07 07.6	154.9	+31.6
11		341 58.5	S07 06.6	172.3	+34.5
12		356 58.6	S07 05.7	190.4	+34.2
13		11 58.8	S07 04.7	207.6	+31.0
14		26 58.9	S07 03.7	223.2	+25.2
15		41 59.0	S07 02.8	236.9	+17.6
16		56 59.2	S07 01.8	249.2	+08.7
17		71 59.3	S07 00.9	260.6	-01.0
18		86 59.4	S06 59.9	271.7	-11.0
19		101 59.5	S06 59.0	283.3	-20.9
20		116 59.7	S06 58.0	296.2	-30.2
21		131 59.8	S06 57.1	311.2	-38.6
22		146 59.9	S06 56.1	329.3	-45.0
23		162 00.1	S06 55.1	350.5	-48.4
00	2026-03-03	177 00.2	S06 54.2	012.9	-48.1
01		192 00.3	S06 53.2	033.7	-44.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		207 00.5	S06 52.3	051.2	-37.3
03		222 00.6	S06 51.3	065.8	-28.8
04		237 00.7	S06 50.4	078.4	-19.3
05		252 00.9	S06 49.4	089.8	-09.3
06		267 01.0	S06 48.4	101.0	+01.0
07		282 01.1	S06 47.5	112.4	+10.3
08		297 01.3	S06 46.5	124.9	+19.1
09		312 01.4	S06 45.6	138.9	+26.5
10		327 01.5	S06 44.6	154.8	+32.0
11		342 01.6	S06 43.6	172.3	+34.8
12		357 01.8	S06 42.7	190.5	+34.6
13		12 01.9	S06 41.7	207.8	+31.3
14		27 02.0	S06 40.8	223.4	+25.5
15		42 02.2	S06 39.8	237.2	+17.9
16		57 02.3	S06 38.8	249.5	+09.0
17		72 02.4	S06 37.9	260.9	-00.1
18		87 02.6	S06 36.9	272.0	-10.7
19		102 02.7	S06 36.0	283.6	-20.6
20		117 02.9	S06 35.0	296.5	-30.0
21		132 03.0	S06 34.0	311.5	-38.2
22		147 03.1	S06 33.1	329.5	-44.6
23		162 03.3	S06 32.1	350.6	-48.0
00	2026-03-04	177 03.4	S06 31.2	012.9	-47.7
01		192 03.5	S06 30.2	033.5	-43.7
02		207 03.7	S06 29.2	051.0	-37.0
03		222 03.8	S06 28.3	065.6	-28.4
04		237 03.9	S06 27.3	078.2	-18.9
05		252 04.1	S06 26.4	089.6	-09.0
06		267 04.2	S06 25.4	100.8	+01.3
07		282 04.3	S06 24.4	112.2	+10.6
08		297 04.5	S06 23.5	124.7	+19.4
09		312 04.6	S06 22.5	138.8	+26.9
10		327 04.8	S06 21.5	154.7	+32.4
11		342 04.9	S06 20.6	172.3	+35.2
12		357 05.0	S06 19.6	190.6	+35.0
13		12 05.2	S06 18.7	208.0	+31.7
14		27 05.3	S06 17.7	223.7	+25.8
15		42 05.4	S06 16.7	237.5	+18.1
16		57 05.6	S06 15.8	249.8	+09.3
17		72 05.7	S06 14.8	261.2	+00.1
18		87 05.9	S06 13.8	272.3	-10.5
19		102 06.0	S06 12.9	283.9	-20.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		117 06.1	S06 11.9	296.8	-29.7
21		132 06.3	S06 10.9	311.8	-37.9
22		147 06.4	S06 10.0	329.8	-44.3
23		162 06.6	S06 09.0	350.7	-47.6
00	2026-03-05	177 06.7	S06 08.1	012.9	-47.3
01		192 06.8	S06 07.1	033.4	-43.3
02		207 07.0	S06 06.1	050.8	-36.6
03		222 07.1	S06 05.2	065.4	-28.1
04		237 07.3	S06 04.2	077.9	-18.6
05		252 07.4	S06 03.2	089.4	-08.7
06		267 07.5	S06 02.3	100.5	+01.6
07		282 07.7	S06 01.3	112.0	+11.0
08		297 07.8	S06 00.3	124.5	+19.8
09		312 08.0	S05 59.4	138.6	+27.2
10		327 08.1	S05 58.4	154.7	+32.8
11		342 08.2	S05 57.4	172.4	+35.6
12		357 08.4	S05 56.5	190.7	+35.4
13		12 08.5	S05 55.5	208.2	+32.0
14		27 08.7	S05 54.5	223.9	+26.2
15		42 08.8	S05 53.6	237.7	+18.4
16		57 09.0	S05 52.6	250.1	+09.5
17		72 09.1	S05 51.6	261.5	+00.3
18		87 09.2	S05 50.7	272.6	-10.2
19		102 09.4	S05 49.7	284.3	-20.1
20		117 09.5	S05 48.7	297.1	-29.4
21		132 09.7	S05 47.8	312.1	-37.6
22		147 09.8	S05 46.8	330.0	-43.9
23		162 10.0	S05 45.8	350.9	-47.3
00	2026-03-06	177 10.1	S05 44.9	012.9	-46.9
01		192 10.3	S05 43.9	033.3	-43.0
02		207 10.4	S05 42.9	050.6	-36.3
03		222 10.5	S05 41.9	065.2	-27.8
04		237 10.7	S05 41.0	077.7	-18.3
05		252 10.8	S05 40.0	089.2	-08.3
06		267 11.0	S05 39.0	100.3	+01.9
07		282 11.1	S05 38.1	111.8	+11.3
08		297 11.3	S05 37.1	124.4	+20.1
09		312 11.4	S05 36.1	138.5	+27.6
10		327 11.6	S05 35.2	154.6	+33.1
11		342 11.7	S05 34.2	172.4	+36.0
12		357 11.9	S05 33.2	190.8	+35.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		12 12.0	S05 32.3	208.4	+32.4
14		27 12.1	S05 31.3	224.2	+26.5
15		42 12.3	S05 30.3	238.0	+18.7
16		57 12.4	S05 29.3	250.3	+09.8
17		72 12.6	S05 28.4	261.8	+00.5
18		87 12.7	S05 27.4	272.9	-10.0
19		102 12.9	S05 26.4	284.6	-19.8
20		117 13.0	S05 25.5	297.4	-29.1
21		132 13.2	S05 24.5	312.4	-37.3
22		147 13.3	S05 23.5	330.3	-43.6
23		162 13.5	S05 22.5	351.0	-46.9
00	2026-03-07	177 13.6	S05 21.6	012.9	-46.5
01		192 13.8	S05 20.6	033.2	-42.6
02		207 13.9	S05 19.6	050.5	-35.9
03		222 14.1	S05 18.7	065.0	-27.4
04		237 14.2	S05 17.7	077.5	-17.9
05		252 14.4	S05 16.7	089.0	-08.0
06		267 14.5	S05 15.7	100.1	+02.2
07		282 14.7	S05 14.8	111.6	+11.7
08		297 14.8	S05 13.8	124.2	+20.5
09		312 15.0	S05 12.8	138.4	+28.0
10		327 15.1	S05 11.9	154.5	+33.5
11		342 15.3	S05 10.9	172.4	+36.4
12		357 15.4	S05 09.9	191.0	+36.1
13		12 15.6	S05 08.9	208.6	+32.7
14		27 15.7	S05 08.0	224.5	+26.8
15		42 15.9	S05 07.0	238.3	+19.0
16		57 16.0	S05 06.0	250.6	+10.0
17		72 16.2	S05 05.0	262.1	+00.7
18		87 16.3	S05 04.1	273.3	-09.7
19		102 16.5	S05 03.1	284.9	-19.6
20		117 16.6	S05 02.1	297.7	-28.9
21		132 16.8	S05 01.1	312.7	-37.0
22		147 16.9	S05 00.2	330.5	-43.2
23		162 17.1	S04 59.2	351.2	-46.5
00	2026-03-08	177 17.2	S04 58.2	012.9	-46.1
01		192 17.4	S04 57.3	033.0	-42.2
02		207 17.5	S04 56.3	050.3	-35.5
03		222 17.7	S04 55.3	064.7	-27.1
04		237 17.8	S04 54.3	077.3	-17.6
05		252 18.0	S04 53.4	088.8	-07.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		267 18.2	S04 52.4	099.9	+02.6
07		282 18.3	S04 51.4	111.4	+12.0
08		297 18.5	S04 50.4	124.0	+20.8
09		312 18.6	S04 49.5	138.2	+28.4
10		327 18.8	S04 48.5	154.5	+33.9
11		342 18.9	S04 47.5	172.5	+36.8
12		357 19.1	S04 46.5	191.1	+36.5
13		12 19.2	S04 45.5	208.9	+33.1
14		27 19.4	S04 44.6	224.7	+27.1
15		42 19.5	S04 43.6	238.6	+19.3
16		57 19.7	S04 42.6	250.9	+10.3
17		72 19.9	S04 41.6	262.4	+00.9
18		87 20.0	S04 40.7	273.6	-09.5
19		102 20.2	S04 39.7	285.2	-19.3
20		117 20.3	S04 38.7	298.1	-28.6
21		132 20.5	S04 37.7	313.0	-36.7
22		147 20.6	S04 36.8	330.8	-42.9
23		162 20.8	S04 35.8	351.3	-46.1
00	2026-03-09	177 20.9	S04 34.8	012.9	-45.7
01		192 21.1	S04 33.8	032.9	-41.8
02		207 21.3	S04 32.9	050.1	-35.2
03		222 21.4	S04 31.9	064.5	-26.7
04		237 21.6	S04 30.9	077.1	-17.3
05		252 21.7	S04 29.9	088.5	-07.4
06		267 21.9	S04 28.9	099.7	+02.9
07		282 22.0	S04 28.0	111.2	+12.3
08		297 22.2	S04 27.0	123.8	+21.2
09		312 22.4	S04 26.0	138.1	+28.7
10		327 22.5	S04 25.0	154.4	+34.3
11		342 22.7	S04 24.1	172.5	+37.2
12		357 22.8	S04 23.1	191.3	+36.9
13		12 23.0	S04 22.1	209.1	+33.4
14		27 23.1	S04 21.1	225.0	+27.4
15		42 23.3	S04 20.1	238.9	+19.6
16		57 23.5	S04 19.2	251.2	+10.6
17		72 23.6	S04 18.2	262.7	+01.1
18		87 23.8	S04 17.2	273.9	-09.2
19		102 23.9	S04 16.2	285.5	-19.0
20		117 24.1	S04 15.2	298.4	-28.3
21		132 24.3	S04 14.3	313.3	-36.4
22		147 24.4	S04 13.3	331.1	-42.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		162 24.6	S04 12.3	351.5	-45.7
00	2026-03-10	177 24.7	S04 11.3	012.9	-45.3
01		192 24.9	S04 10.3	032.8	-41.4
02		207 25.1	S04 09.4	049.9	-34.8
03		222 25.2	S04 08.4	064.3	-26.4
04		237 25.4	S04 07.4	076.8	-16.9
05		252 25.5	S04 06.4	088.3	-07.0
06		267 25.7	S04 05.4	099.5	+03.2
07		282 25.9	S04 04.5	111.0	+12.7
08		297 26.0	S04 03.5	123.7	+21.5
09		312 26.2	S04 02.5	137.9	+29.1
10		327 26.3	S04 01.5	154.3	+34.7
11		342 26.5	S04 00.5	172.5	+37.6
12		357 26.7	S03 59.6	191.4	+37.3
13		12 26.8	S03 58.6	209.3	+33.8
14		27 27.0	S03 57.6	225.3	+27.7
15		42 27.1	S03 56.6	239.2	+19.9
16		57 27.3	S03 55.6	251.5	+10.8
17		72 27.5	S03 54.7	263.0	+01.4
18		87 27.6	S03 53.7	274.2	-09.0
19		102 27.8	S03 52.7	285.8	-18.8
20		117 28.0	S03 51.7	298.7	-28.0
21		132 28.1	S03 50.7	313.6	-36.1
22		147 28.3	S03 49.8	331.3	-42.2
23		162 28.4	S03 48.8	351.6	-45.4
00	2026-03-11	177 28.6	S03 47.8	012.9	-44.9
01		192 28.8	S03 46.8	032.7	-41.0
02		207 28.9	S03 45.8	049.7	-34.4
03		222 29.1	S03 44.8	064.1	-26.0
04		237 29.3	S03 43.9	076.6	-16.6
05		252 29.4	S03 42.9	088.1	-06.7
06		267 29.6	S03 41.9	099.3	+03.5
07		282 29.7	S03 40.9	110.8	+13.0
08		297 29.9	S03 39.9	123.5	+21.9
09		312 30.1	S03 39.0	137.8	+29.5
10		327 30.2	S03 38.0	154.3	+35.1
11		342 30.4	S03 37.0	172.6	+38.0
12		357 30.6	S03 36.0	191.6	+37.6
13		12 30.7	S03 35.0	209.5	+34.1
14		27 30.9	S03 34.0	225.5	+28.0
15		42 31.1	S03 33.1	239.5	+20.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		57 31.2	S03 32.1	251.9	+11.1
17		72 31.4	S03 31.1	263.3	+01.6
18		87 31.6	S03 30.1	274.5	-08.7
19		102 31.7	S03 29.1	286.2	-18.5
20		117 31.9	S03 28.1	299.0	-27.7
21		132 32.1	S03 27.2	313.9	-35.8
22		147 32.2	S03 26.2	331.6	-41.8
23		162 32.4	S03 25.2	351.8	-45.0
00	2026-03-12	177 32.5	S03 24.2	012.9	-44.5
01		192 32.7	S03 23.2	032.6	-40.6
02		207 32.9	S03 22.2	049.6	-34.0
03		222 33.0	S03 21.3	063.9	-25.7
04		237 33.2	S03 20.3	076.4	-16.3
05		252 33.4	S03 19.3	087.9	-06.3
06		267 33.5	S03 18.3	099.1	+03.8
07		282 33.7	S03 17.3	110.6	+13.4
08		297 33.9	S03 16.3	123.3	+22.3
09		312 34.0	S03 15.4	137.7	+29.9
10		327 34.2	S03 14.4	154.2	+35.5
11		342 34.4	S03 13.4	172.6	+38.4
12		357 34.5	S03 12.4	191.7	+38.0
13		12 34.7	S03 11.4	209.8	+34.5
14		27 34.9	S03 10.4	225.8	+28.4
15		42 35.1	S03 09.5	239.8	+20.4
16		57 35.2	S03 08.5	252.2	+11.3
17		72 35.4	S03 07.5	263.6	+01.8
18		87 35.6	S03 06.5	274.8	-08.5
19		102 35.7	S03 05.5	286.5	-18.3
20		117 35.9	S03 04.5	299.3	-27.5
21		132 36.1	S03 03.5	314.2	-35.5
22		147 36.2	S03 02.6	331.8	-41.5
23		162 36.4	S03 01.6	351.9	-44.6
00	2026-03-13	177 36.6	S03 00.6	012.9	-44.1
01		192 36.7	S02 59.6	032.5	-40.3
02		207 36.9	S02 58.6	049.4	-33.7
03		222 37.1	S02 57.6	063.7	-25.3
04		237 37.2	S02 56.6	076.2	-15.9
05		252 37.4	S02 55.7	087.7	-06.0
06		267 37.6	S02 54.7	098.9	+04.2
07		282 37.7	S02 53.7	110.4	+13.7
08		297 37.9	S02 52.7	123.1	+22.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		312 38.1	S02 51.7	137.5	+30.3
10		327 38.3	S02 50.7	154.1	+35.9
11		342 38.4	S02 49.7	172.7	+38.8
12		357 38.6	S02 48.8	191.9	+38.4
13		12 38.8	S02 47.8	210.0	+34.8
14		27 38.9	S02 46.8	226.1	+28.7
15		42 39.1	S02 45.8	240.1	+20.7
16		57 39.3	S02 44.8	252.5	+11.6
17		72 39.5	S02 43.8	263.9	+02.1
18		87 39.6	S02 42.8	275.1	-08.2
19		102 39.8	S02 41.9	286.8	-18.0
20		117 40.0	S02 40.9	299.7	-27.2
21		132 40.1	S02 39.9	314.5	-35.1
22		147 40.3	S02 38.9	332.1	-41.1
23		162 40.5	S02 37.9	352.1	-44.2
00	2026-03-14	177 40.6	S02 36.9	012.9	-43.7
01		192 40.8	S02 35.9	032.4	-39.9
02		207 41.0	S02 35.0	049.2	-33.3
03		222 41.2	S02 34.0	063.5	-25.0
04		237 41.3	S02 33.0	076.0	-15.6
05		252 41.5	S02 32.0	087.5	-05.7
06		267 41.7	S02 31.0	098.6	+04.5
07		282 41.9	S02 30.0	110.3	+14.1
08		297 42.0	S02 29.0	122.9	+23.0
09		312 42.2	S02 28.1	137.4	+30.6
10		327 42.4	S02 27.1	154.1	+36.3
11		342 42.5	S02 26.1	172.7	+39.2
12		357 42.7	S02 25.1	192.0	+38.8
13		12 42.9	S02 24.1	210.3	+35.2
14		27 43.1	S02 23.1	226.4	+29.0
15		42 43.2	S02 22.1	240.4	+21.0
16		57 43.4	S02 21.1	252.8	+11.9
17		72 43.6	S02 20.2	264.2	+02.3
18		87 43.8	S02 19.2	275.5	-08.0
19		102 43.9	S02 18.2	287.1	-17.8
20		117 44.1	S02 17.2	300.0	-26.9
21		132 44.3	S02 16.2	314.8	-34.8
22		147 44.4	S02 15.2	332.3	-40.8
23		162 44.6	S02 14.2	352.2	-43.8
00	2026-03-15	177 44.8	S02 13.2	012.9	-43.3
01		192 45.0	S02 12.3	032.3	-39.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		207 45.1	S02 11.3	049.1	-32.9
03		222 45.3	S02 10.3	063.3	-24.6
04		237 45.5	S02 09.3	075.8	-15.2
05		252 45.7	S02 08.3	087.2	-05.3
06		267 45.8	S02 07.3	098.4	+04.8
07		282 46.0	S02 06.3	110.1	+14.4
08		297 46.2	S02 05.3	122.8	+23.4
09		312 46.4	S02 04.4	137.3	+31.0
10		327 46.5	S02 03.4	154.0	+36.7
11		342 46.7	S02 02.4	172.8	+39.6
12		357 46.9	S02 01.4	192.2	+39.2
13		12 47.1	S02 00.4	210.5	+35.5
14		27 47.2	S01 59.4	226.7	+29.3
15		42 47.4	S01 58.4	240.7	+21.3
16		57 47.6	S01 57.4	253.1	+12.1
17		72 47.8	S01 56.4	264.6	+02.5
18		87 47.9	S01 55.5	275.8	-07.7
19		102 48.1	S01 54.5	287.4	-17.5
20		117 48.3	S01 53.5	300.3	-26.6
21		132 48.5	S01 52.5	315.1	-34.5
22		147 48.6	S01 51.5	332.6	-40.4
23		162 48.8	S01 50.5	352.4	-43.4
00	2026-03-16	177 49.0	S01 49.5	013.0	-42.9
01		192 49.2	S01 48.5	032.2	-39.1
02		207 49.3	S01 47.6	048.9	-32.5
03		222 49.5	S01 46.6	063.1	-24.2
04		237 49.7	S01 45.6	075.6	-14.9
05		252 49.9	S01 44.6	087.0	-05.0
06		267 50.0	S01 43.6	098.2	+05.2
07		282 50.2	S01 42.6	109.9	+14.8
08		297 50.4	S01 41.6	122.6	+23.7
09		312 50.6	S01 40.6	137.1	+31.4
10		327 50.8	S01 39.6	154.0	+37.1
11		342 50.9	S01 38.7	172.8	+40.0
12		357 51.1	S01 37.7	192.3	+39.5
13		12 51.3	S01 36.7	210.7	+35.9
14		27 51.5	S01 35.7	227.0	+29.6
15		42 51.6	S01 34.7	241.0	+21.5
16		57 51.8	S01 33.7	253.4	+12.4
17		72 52.0	S01 32.7	264.9	+02.8
18		87 52.2	S01 31.7	276.1	-07.5
19		102 52.4	S01 30.7	287.8	-17.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		117 52.5	S01 29.8	300.6	-26.3
21		132 52.7	S01 28.8	315.4	-34.2
22		147 52.9	S01 27.8	332.8	-40.1
23		162 53.1	S01 26.8	352.5	-43.0
00	2026-03-17	177 53.2	S01 25.8	013.0	-42.5
01		192 53.4	S01 24.8	032.1	-38.7
02		207 53.6	S01 23.8	048.7	-32.2
03		222 53.8	S01 22.8	062.9	-23.9
04		237 54.0	S01 21.8	075.4	-14.5
05		252 54.1	S01 20.9	086.8	-04.6
06		267 54.3	S01 19.9	098.0	+05.5
07		282 54.5	S01 18.9	109.7	+15.1
08		297 54.7	S01 17.9	122.4	+24.1
09		312 54.8	S01 16.9	137.0	+31.8
10		327 55.0	S01 15.9	153.9	+37.5
11		342 55.2	S01 14.9	172.8	+40.4
12		357 55.4	S01 13.9	192.5	+39.9
13		12 55.6	S01 12.9	211.0	+36.2
14		27 55.7	S01 12.0	227.3	+29.9
15		42 55.9	S01 11.0	241.3	+21.8
16		57 56.1	S01 10.0	253.7	+12.6
17		72 56.3	S01 09.0	265.2	+03.0
18		87 56.5	S01 08.0	276.4	-07.2
19		102 56.6	S01 07.0	288.1	-17.0
20		117 56.8	S01 06.0	300.9	-26.1
21		132 57.0	S01 05.0	315.7	-33.9
22		147 57.2	S01 04.0	333.0	-39.7
23		162 57.4	S01 03.1	352.6	-42.6
00	2026-03-18	177 57.5	S01 02.1	013.0	-42.1
01		192 57.7	S01 01.1	032.0	-38.3
02		207 57.9	S01 00.1	048.6	-31.8
03		222 58.1	S00 59.1	062.7	-23.5
04		237 58.3	S00 58.1	075.2	-14.2
05		252 58.4	S00 57.1	086.6	-04.3
06		267 58.6	S00 56.1	097.8	+05.8
07		282 58.8	S00 55.1	109.5	+15.5
08		297 59.0	S00 54.2	122.2	+24.5
09		312 59.2	S00 53.2	136.9	+32.2
10		327 59.3	S00 52.2	153.8	+37.9
11		342 59.5	S00 51.2	172.9	+40.8
12		357 59.7	S00 50.2	192.7	+40.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		12 59.9	S00 49.2	211.2	+36.6
14		28 00.1	S00 48.2	227.6	+30.2
15		43 00.3	S00 47.2	241.6	+22.1
16		58 00.4	S00 46.2	254.0	+12.9
17		73 00.6	S00 45.3	265.5	+03.2
18		88 00.8	S00 44.3	276.7	-07.0
19		103 01.0	S00 43.3	288.4	-16.7
20		118 01.2	S00 42.3	301.3	-25.8
21		133 01.3	S00 41.3	316.0	-33.6
22		148 01.5	S00 40.3	333.3	-39.3
23		163 01.7	S00 39.3	352.8	-42.3
00	2026-03-19	178 01.9	S00 38.3	013.0	-41.7
01		193 02.1	S00 37.3	031.9	-37.9
02		208 02.2	S00 36.4	048.4	-31.4
03		223 02.4	S00 35.4	062.5	-23.2
04		238 02.6	S00 34.4	075.0	-13.8
05		253 02.8	S00 33.4	086.4	-04.0
06		268 03.0	S00 32.4	097.6	+06.2
07		283 03.2	S00 31.4	109.3	+15.8
08		298 03.3	S00 30.4	122.1	+24.8
09		313 03.5	S00 29.4	136.7	+32.6
10		328 03.7	S00 28.4	153.8	+38.3
11		343 03.9	S00 27.4	173.0	+41.2
12		358 04.1	S00 26.5	192.8	+40.7
13		13 04.3	S00 25.5	211.5	+36.9
14		28 04.4	S00 24.5	227.9	+30.5
15		43 04.6	S00 23.5	241.9	+22.4
16		58 04.8	S00 22.5	254.4	+13.1
17		73 05.0	S00 21.5	265.8	+03.5
18		88 05.2	S00 20.5	277.0	-06.7
19		103 05.3	S00 19.5	288.7	-16.5
20		118 05.5	S00 18.5	301.6	-25.5
21		133 05.7	S00 17.6	316.3	-33.3
22		148 05.9	S00 16.6	333.5	-39.0
23		163 06.1	S00 15.6	352.9	-41.9
00	2026-03-20	178 06.3	S00 14.6	013.0	-41.3
01		193 06.4	S00 13.6	031.8	-37.5
02		208 06.6	S00 12.6	048.3	-31.0
03		223 06.8	S00 11.6	062.4	-22.8
04		238 07.0	S00 10.6	074.7	-13.5
05		253 07.2	S00 09.6	086.2	-03.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		268 07.4	S00 08.7	097.4	+06.5
07		283 07.5	S00 07.7	109.1	+16.2
08		298 07.7	S00 06.7	121.9	+25.2
09		313 07.9	S00 05.7	136.6	+32.9
10		328 08.1	S00 04.7	153.7	+38.7
11		343 08.3	S00 03.7	173.0	+41.6
12		358 08.5	S00 02.7	193.0	+41.1
13		13 08.7	S00 01.7	211.8	+37.3
14		28 08.8	S00 00.8	228.2	+30.8
15		43 09.0	N00 00.2	242.3	+22.7
16		58 09.2	N00 01.2	254.7	+13.4
17		73 09.4	N00 02.2	266.1	+03.7
18		88 09.6	N00 03.2	277.4	-06.5
19		103 09.8	N00 04.2	289.0	-16.2
20		118 09.9	N00 05.2	301.9	-25.2
21		133 10.1	N00 06.2	316.6	-32.9
22		148 10.3	N00 07.2	333.8	-38.6
23		163 10.5	N00 08.1	353.1	-41.5
00	2026-03-21	178 10.7	N00 09.1	013.0	-40.9
01		193 10.9	N00 10.1	031.7	-37.1
02		208 11.0	N00 11.1	048.1	-30.7
03		223 11.2	N00 12.1	062.2	-22.4
04		238 11.4	N00 13.1	074.5	-13.1
05		253 11.6	N00 14.1	086.0	-03.3
06		268 11.8	N00 15.1	097.2	+06.9
07		283 12.0	N00 16.0	108.9	+16.5
08		298 12.2	N00 17.0	121.7	+25.6
09		313 12.3	N00 18.0	136.4	+33.3
10		328 12.5	N00 19.0	153.7	+39.1
11		343 12.7	N00 20.0	173.1	+42.0
12		358 12.9	N00 21.0	193.2	+41.4
13		13 13.1	N00 22.0	212.0	+37.6
14		28 13.3	N00 23.0	228.5	+31.1
15		43 13.5	N00 24.0	242.6	+22.9
16		58 13.6	N00 24.9	255.0	+13.7
17		73 13.8	N00 25.9	266.5	+03.9
18		88 14.0	N00 26.9	277.7	-06.2
19		103 14.2	N00 27.9	289.4	-15.9
20		118 14.4	N00 28.9	302.2	-24.9
21		133 14.6	N00 29.9	316.9	-32.6
22		148 14.8	N00 30.9	334.0	-38.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		163 14.9	N00 31.9	353.2	-41.1
00	2026-03-22	178 15.1	N00 32.8	013.1	-40.5
01		193 15.3	N00 33.8	031.7	-36.7
02		208 15.5	N00 34.8	048.0	-30.3
03		223 15.7	N00 35.8	062.0	-22.1
04		238 15.9	N00 36.8	074.3	-12.8
05		253 16.1	N00 37.8	085.8	-02.9
06		268 16.2	N00 38.8	097.0	+07.2
07		283 16.4	N00 39.8	108.7	+16.9
08		298 16.6	N00 40.7	121.5	+25.9
09		313 16.8	N00 41.7	136.3	+33.7
10		328 17.0	N00 42.7	153.6	+39.5
11		343 17.2	N00 43.7	173.1	+42.4
12		358 17.4	N00 44.7	193.4	+41.8
13		13 17.5	N00 45.7	212.3	+37.9
14		28 17.7	N00 46.7	228.8	+31.5
15		43 17.9	N00 47.6	242.9	+23.2
16		58 18.1	N00 48.6	255.3	+13.9
17		73 18.3	N00 49.6	266.8	+04.2
18		88 18.5	N00 50.6	278.0	-06.0
19		103 18.7	N00 51.6	289.7	-15.7
20		118 18.8	N00 52.6	302.5	-24.6
21		133 19.0	N00 53.6	317.2	-32.3
22		148 19.2	N00 54.6	334.3	-37.9
23		163 19.4	N00 55.5	353.3	-40.7
00	2026-03-23	178 19.6	N00 56.5	013.1	-40.1
01		193 19.8	N00 57.5	031.6	-36.3
02		208 20.0	N00 58.5	047.8	-29.9
03		223 20.2	N00 59.5	061.8	-21.7
04		238 20.3	N01 00.5	074.1	-12.4
05		253 20.5	N01 01.5	085.6	-02.6
06		268 20.7	N01 02.4	096.8	+07.5
07		283 20.9	N01 03.4	108.5	+17.2
08		298 21.1	N01 04.4	121.3	+26.3
09		313 21.3	N01 05.4	136.2	+34.1
10		328 21.5	N01 06.4	153.5	+39.9
11		343 21.7	N01 07.4	173.2	+42.8
12		358 21.8	N01 08.4	193.5	+42.2
13		13 22.0	N01 09.3	212.6	+38.3
14		28 22.2	N01 10.3	229.1	+31.8
15		43 22.4	N01 11.3	243.2	+23.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		58 22.6	N01 12.3	255.6	+14.2
17		73 22.8	N01 13.3	267.1	+04.4
18		88 23.0	N01 14.3	278.3	-05.7
19		103 23.2	N01 15.3	290.0	-15.4
20		118 23.3	N01 16.2	302.8	-24.3
21		133 23.5	N01 17.2	317.5	-32.0
22		148 23.7	N01 18.2	334.5	-37.6
23		163 23.9	N01 19.2	353.5	-40.3
00	2026-03-24	178 24.1	N01 20.2	013.1	-39.7
01		193 24.3	N01 21.2	031.5	-35.9
02		208 24.5	N01 22.2	047.7	-29.5
03		223 24.7	N01 23.1	061.6	-21.3
04		238 24.8	N01 24.1	073.9	-12.1
05		253 25.0	N01 25.1	085.4	-02.2
06		268 25.2	N01 26.1	096.6	+07.9
07		283 25.4	N01 27.1	108.2	+17.6
08		298 25.6	N01 28.1	121.1	+26.7
09		313 25.8	N01 29.0	136.0	+34.5
10		328 26.0	N01 30.0	153.5	+40.3
11		343 26.2	N01 31.0	173.2	+43.2
12		358 26.3	N01 32.0	193.7	+42.6
13		13 26.5	N01 33.0	212.8	+38.6
14		28 26.7	N01 34.0	229.4	+32.1
15		43 26.9	N01 34.9	243.5	+23.7
16		58 27.1	N01 35.9	256.0	+14.4
17		73 27.3	N01 36.9	267.4	+04.6
18		88 27.5	N01 37.9	278.6	-05.5
19		103 27.7	N01 38.9	290.3	-15.1
20		118 27.8	N01 39.9	303.1	-24.1
21		133 28.0	N01 40.9	317.8	-31.7
22		148 28.2	N01 41.8	334.7	-37.2
23		163 28.4	N01 42.8	353.6	-39.9
00	2026-03-25	178 28.6	N01 43.8	013.1	-39.3
01		193 28.8	N01 44.8	031.4	-35.5
02		208 29.0	N01 45.8	047.5	-29.1
03		223 29.2	N01 46.8	061.4	-21.0
04		238 29.4	N01 47.7	073.7	-11.7
05		253 29.5	N01 48.7	085.2	-01.9
06		268 29.7	N01 49.7	096.4	+08.2
07		283 29.9	N01 50.7	108.0	+17.9
08		298 30.1	N01 51.7	121.0	+27.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		313 30.3	N01 52.7	135.9	+34.9
10		328 30.5	N01 53.6	153.4	+40.7
11		343 30.7	N01 54.6	173.3	+43.6
12		358 30.9	N01 55.6	193.9	+42.9
13		13 31.1	N01 56.6	213.1	+39.0
14		28 31.2	N01 57.6	229.7	+32.4
15		43 31.4	N01 58.5	243.9	+24.0
16		58 31.6	N01 59.5	256.3	+14.7
17		73 31.8	N02 00.5	267.7	+04.9
18		88 32.0	N02 01.5	279.0	-05.2
19		103 32.2	N02 02.5	290.6	-14.9
20		118 32.4	N02 03.5	303.4	-23.8
21		133 32.6	N02 04.4	318.1	-31.3
22		148 32.7	N02 05.4	334.9	-36.9
23		163 32.9	N02 06.4	353.8	-39.5
00	2026-03-26	178 33.1	N02 07.4	013.1	-38.9
01		193 33.3	N02 08.4	031.3	-35.1
02		208 33.5	N02 09.3	047.4	-28.8
03		223 33.7	N02 10.3	061.2	-20.6
04		238 33.9	N02 11.3	073.5	-11.4
05		253 34.1	N02 12.3	085.0	-01.6
06		268 34.3	N02 13.3	096.2	+08.6
07		283 34.4	N02 14.2	107.8	+18.3
08		298 34.6	N02 15.2	120.8	+27.4
09		313 34.8	N02 16.2	135.7	+35.2
10		328 35.0	N02 17.2	153.4	+41.1
11		343 35.2	N02 18.2	173.4	+44.0
12		358 35.4	N02 19.2	194.1	+43.3
13		13 35.6	N02 20.1	213.4	+39.3
14		28 35.8	N02 21.1	230.0	+32.7
15		43 36.0	N02 22.1	244.2	+24.3
16		58 36.1	N02 23.1	256.6	+14.9
17		73 36.3	N02 24.1	268.1	+05.1
18		88 36.5	N02 25.0	279.3	-05.0
19		103 36.7	N02 26.0	290.9	-14.6
20		118 36.9	N02 27.0	303.8	-23.5
21		133 37.1	N02 28.0	318.4	-31.0
22		148 37.3	N02 29.0	335.2	-36.5
23		163 37.5	N02 29.9	353.9	-39.2
00	2026-03-27	178 37.7	N02 30.9	013.2	-38.5
01		193 37.8	N02 31.9	031.3	-34.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		208 38.0	N02 32.9	047.2	-28.4
03		223 38.2	N02 33.8	061.1	-20.3
04		238 38.4	N02 34.8	073.3	-11.0
05		253 38.6	N02 35.8	084.7	-01.2
06		268 38.8	N02 36.8	096.0	+08.9
07		283 39.0	N02 37.8	107.6	+18.6
08		298 39.2	N02 38.7	120.6	+27.7
09		313 39.4	N02 39.7	135.6	+35.6
10		328 39.5	N02 40.7	153.3	+41.5
11		343 39.7	N02 41.7	173.4	+44.4
12		358 39.9	N02 42.7	194.3	+43.7
13		13 40.1	N02 43.6	213.7	+39.6
14		28 40.3	N02 44.6	230.3	+33.0
15		43 40.5	N02 45.6	244.5	+24.6
16		58 40.7	N02 46.6	256.9	+15.2
17		73 40.9	N02 47.5	268.4	+05.4
18		88 41.1	N02 48.5	279.6	-04.8
19		103 41.3	N02 49.5	291.3	-14.4
20		118 41.4	N02 50.5	304.1	-23.2
21		133 41.6	N02 51.5	318.6	-30.7
22		148 41.8	N02 52.4	335.4	-36.1
23		163 42.0	N02 53.4	354.0	-38.8
00	2026-03-28	178 42.2	N02 54.4	013.2	-38.1
01		193 42.4	N02 55.4	031.2	-34.3
02		208 42.6	N02 56.3	047.1	-28.0
03		223 42.8	N02 57.3	060.9	-19.9
04		238 43.0	N02 58.3	073.2	-10.7
05		253 43.1	N02 59.3	084.5	-00.2
06		268 43.3	N03 00.2	095.7	+09.2
07		283 43.5	N03 01.2	107.4	+19.0
08		298 43.7	N03 02.2	120.4	+28.1
09		313 43.9	N03 03.2	135.5	+36.0
10		328 44.1	N03 04.2	153.2	+41.9
11		343 44.3	N03 05.1	173.5	+44.8
12		358 44.5	N03 06.1	194.5	+44.1
13		13 44.7	N03 07.1	213.9	+40.0
14		28 44.8	N03 08.1	230.7	+33.3
15		43 45.0	N03 09.0	244.8	+24.8
16		58 45.2	N03 10.0	257.2	+15.4
17		73 45.4	N03 11.0	268.7	+05.6
18		88 45.6	N03 12.0	279.9	-04.5
19		103 45.8	N03 12.9	291.6	-14.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		118 46.0	N03 13.9	304.4	-22.9
21		133 46.2	N03 14.9	318.9	-30.4
22		148 46.4	N03 15.9	335.6	-35.8
23		163 46.5	N03 16.8	354.2	-38.4
00	2026-03-29	178 46.7	N03 17.8	013.2	-37.7
01		193 46.9	N03 18.8	031.1	-33.9
02		208 47.1	N03 19.8	046.9	-27.6
03		223 47.3	N03 20.7	060.7	-19.5
04		238 47.5	N03 21.7	073.0	-10.3
05		253 47.7	N03 22.7	084.3	+00.0
06		268 47.9	N03 23.6	095.5	+09.6
07		283 48.0	N03 24.6	107.2	+19.3
08		298 48.2	N03 25.6	120.2	+28.5
09		313 48.4	N03 26.6	135.3	+36.4
10		328 48.6	N03 27.5	153.2	+42.3
11		343 48.8	N03 28.5	173.6	+45.1
12		358 49.0	N03 29.5	194.7	+44.4
13		13 49.2	N03 30.5	214.2	+40.3
14		28 49.4	N03 31.4	231.0	+33.5
15		43 49.6	N03 32.4	245.2	+25.1
16		58 49.7	N03 33.4	257.6	+15.6
17		73 49.9	N03 34.4	269.0	+05.8
18		88 50.1	N03 35.3	280.2	-04.3
19		103 50.3	N03 36.3	291.9	-13.9
20		118 50.5	N03 37.3	304.7	-22.6
21		133 50.7	N03 38.2	319.2	-30.1
22		148 50.9	N03 39.2	335.8	-35.4
23		163 51.1	N03 40.2	354.3	-38.0
00	2026-03-30	178 51.3	N03 41.2	013.2	-37.3
01		193 51.4	N03 42.1	031.0	-33.5
02		208 51.6	N03 43.1	046.8	-27.2
03		223 51.8	N03 44.1	060.5	-19.2
04		238 52.0	N03 45.0	072.8	-10.0
05		253 52.2	N03 46.0	084.1	+00.3
06		268 52.4	N03 47.0	095.3	+09.9
07		283 52.6	N03 48.0	107.0	+19.7
08		298 52.8	N03 48.9	120.0	+28.8
09		313 52.9	N03 49.9	135.2	+36.8
10		328 53.1	N03 50.9	153.1	+42.6
11		343 53.3	N03 51.8	173.6	+45.5
12		358 53.5	N03 52.8	194.9	+44.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		13 53.7	N03 53.8	214.5	+40.6
14		28 53.9	N03 54.7	231.3	+33.8
15		43 54.1	N03 55.7	245.5	+25.3
16		58 54.3	N03 56.7	257.9	+15.9
17		73 54.5	N03 57.7	269.3	+06.1
18		88 54.6	N03 58.6	280.5	-04.0
19		103 54.8	N03 59.6	292.2	-13.6
20		118 55.0	N04 00.6	305.0	-22.4
21		133 55.2	N04 01.5	319.5	-29.8
22		148 55.4	N04 02.5	336.1	-35.1
23		163 55.6	N04 03.5	354.4	-37.6
00	2026-03-31	178 55.8	N04 04.4	013.2	-36.9
01		193 56.0	N04 05.4	030.9	-33.2
02		208 56.1	N04 06.4	046.7	-26.9
03		223 56.3	N04 07.3	060.4	-18.8
04		238 56.5	N04 08.3	072.6	-09.6
05		253 56.7	N04 09.3	083.9	+00.6
06		268 56.9	N04 10.2	095.1	+10.2
07		283 57.1	N04 11.2	106.8	+20.0
08		298 57.3	N04 12.2	119.9	+29.2
09		313 57.5	N04 13.1	135.0	+37.1
10		328 57.6	N04 14.1	153.0	+43.0
11		343 57.8	N04 15.1	173.7	+45.9
12		358 58.0	N04 16.0	195.1	+45.2
13		13 58.2	N04 17.0	214.8	+41.0
14		28 58.4	N04 18.0	231.6	+34.1
15		43 58.6	N04 18.9	245.8	+25.6
16		58 58.8	N04 19.9	258.2	+16.1
17		73 58.9	N04 20.9	269.6	+06.3
18		88 59.1	N04 21.8	280.8	-03.8
19		103 59.3	N04 22.8	292.5	-13.3
20		118 59.5	N04 23.8	305.3	-22.1
21		133 59.7	N04 24.7	319.7	-29.4
22		148 59.9	N04 25.7	336.3	-34.7
23		164 00.1	N04 26.7	354.5	-37.2
00	2026-04-01	179 00.3	N04 27.6	013.2	-36.5
01		194 00.4	N04 28.6	030.9	-32.8
02		209 00.6	N04 29.6	046.5	-26.5
03		224 00.8	N04 30.5	060.2	-18.5
04		239 01.0	N04 31.5	072.4	-09.3
05		254 01.2	N04 32.5	083.7	+00.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		269 01.4	N04 33.4	094.9	+10.6
07		284 01.6	N04 34.4	106.6	+20.4
08		299 01.7	N04 35.4	119.7	+29.6
09		314 01.9	N04 36.3	134.9	+37.5
10		329 02.1	N04 37.3	153.0	+43.4
11		344 02.3	N04 38.2	173.8	+46.3
12		359 02.5	N04 39.2	195.3	+45.5
13		14 02.7	N04 40.2	215.1	+41.3
14		29 02.9	N04 41.1	231.9	+34.4
15		44 03.1	N04 42.1	246.1	+25.9
16		59 03.2	N04 43.1	258.5	+16.4
17		74 03.4	N04 44.0	270.0	+06.5
18		89 03.6	N04 45.0	281.2	-03.5
19		104 03.8	N04 46.0	292.8	-13.1
20		119 04.0	N04 46.9	305.5	-21.8
21		134 04.2	N04 47.9	320.0	-29.1
22		149 04.4	N04 48.8	336.5	-34.4
23		164 04.5	N04 49.8	354.7	-36.9
00	2026-04-02	179 04.7	N04 50.8	013.3	-36.2
01		194 04.9	N04 51.7	030.8	-32.4
02		209 05.1	N04 52.7	046.4	-26.1
03		224 05.3	N04 53.6	060.0	-18.1
04		239 05.5	N04 54.6	072.2	-09.0
05		254 05.6	N04 55.6	083.5	+01.2
06		269 05.8	N04 56.5	094.7	+10.9
07		284 06.0	N04 57.5	106.4	+20.7
08		299 06.2	N04 58.5	119.5	+29.9
09		314 06.4	N04 59.4	134.7	+37.9
10		329 06.6	N05 00.4	152.9	+43.8
11		344 06.8	N05 01.3	173.8	+46.7
12		359 06.9	N05 02.3	195.5	+45.9
13		14 07.1	N05 03.3	215.4	+41.6
14		29 07.3	N05 04.2	232.3	+34.7
15		44 07.5	N05 05.2	246.5	+26.1
16		59 07.7	N05 06.1	258.9	+16.6
17		74 07.9	N05 07.1	270.3	+06.8
18		89 08.1	N05 08.1	281.5	-03.3
19		104 08.2	N05 09.0	293.1	-12.8
20		119 08.4	N05 10.0	305.8	-21.5
21		134 08.6	N05 10.9	320.3	-28.8
22		149 08.8	N05 11.9	336.7	-34.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		164 09.0	N05 12.8	354.8	-36.5
00	2026-04-03	179 09.2	N05 13.8	013.3	-35.8
01		194 09.3	N05 14.8	030.7	-32.0
02		209 09.5	N05 15.7	046.2	-25.7
03		224 09.7	N05 16.7	059.8	-17.7
04		239 09.9	N05 17.6	072.0	-08.6
05		254 10.1	N05 18.6	083.3	+01.5
06		269 10.3	N05 19.5	094.5	+11.2
07		284 10.4	N05 20.5	106.2	+21.0
08		299 10.6	N05 21.5	119.3	+30.3
09		314 10.8	N05 22.4	134.6	+38.3
10		329 11.0	N05 23.4	152.9	+44.2
11		344 11.2	N05 24.3	173.9	+47.1
12		359 11.4	N05 25.3	195.7	+46.3
13		14 11.5	N05 26.2	215.7	+41.9
14		29 11.7	N05 27.2	232.6	+35.0
15		44 11.9	N05 28.2	246.8	+26.4
16		59 12.1	N05 29.1	259.2	+16.9
17		74 12.3	N05 30.1	270.6	+07.0
18		89 12.5	N05 31.0	281.8	-03.1
19		104 12.6	N05 32.0	293.4	-12.6
20		119 12.8	N05 32.9	306.1	-21.2
21		134 13.0	N05 33.9	320.5	-28.5
22		149 13.2	N05 34.8	336.9	-33.7
23		164 13.4	N05 35.8	354.9	-36.1
00	2026-04-04	179 13.6	N05 36.7	013.3	-35.4
01		194 13.7	N05 37.7	030.6	-31.6
02		209 13.9	N05 38.7	046.1	-25.4
03		224 14.1	N05 39.6	059.7	-17.4
04		239 14.3	N05 40.6	071.8	-08.3
05		254 14.5	N05 41.5	083.1	+01.8
06		269 14.7	N05 42.5	094.3	+11.6
07		284 14.8	N05 43.4	106.0	+21.4
08		299 15.0	N05 44.4	119.1	+30.6
09		314 15.2	N05 45.3	134.4	+38.6
10		329 15.4	N05 46.3	152.8	+44.6
11		344 15.6	N05 47.2	174.0	+47.5
12		359 15.7	N05 48.2	195.9	+46.6
13		14 15.9	N05 49.1	215.9	+42.3
14		29 16.1	N05 50.1	232.9	+35.3
15		44 16.3	N05 51.0	247.1	+26.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		59 16.5	N05 52.0	259.5	+17.1
17		74 16.7	N05 52.9	270.9	+07.2
18		89 16.8	N05 53.9	282.1	-02.8
19		104 17.0	N05 54.8	293.7	-12.3
20		119 17.2	N05 55.8	306.4	-20.9
21		134 17.4	N05 56.7	320.8	-28.2
22		149 17.6	N05 57.7	337.1	-33.3
23		164 17.7	N05 58.6	355.0	-35.7
00	2026-04-05	179 17.9	N05 59.6	013.3	-35.0
01		194 18.1	N06 00.5	030.6	-31.2
02		209 18.3	N06 01.5	046.0	-25.0
03		224 18.5	N06 02.4	059.5	-17.0
04		239 18.6	N06 03.4	071.6	-07.9
05		254 18.8	N06 04.3	082.9	+02.1
06		269 19.0	N06 05.3	094.1	+11.9
07		284 19.2	N06 06.2	105.8	+21.7
08		299 19.4	N06 07.2	118.9	+31.0
09		314 19.5	N06 08.1	134.3	+39.0
10		329 19.7	N06 09.1	152.7	+45.0
11		344 19.9	N06 10.0	174.0	+47.9
12		359 20.1	N06 11.0	196.1	+47.0
13		14 20.3	N06 11.9	216.2	+42.6
14		29 20.4	N06 12.9	233.2	+35.6
15		44 20.6	N06 13.8	247.5	+26.9
16		59 20.8	N06 14.8	259.8	+17.3
17		74 21.0	N06 15.7	271.2	+07.5
18		89 21.2	N06 16.7	282.4	-02.6
19		104 21.3	N06 17.6	294.0	-12.1
20		119 21.5	N06 18.6	306.7	-20.7
21		134 21.7	N06 19.5	321.0	-27.9
22		149 21.9	N06 20.5	337.3	-33.0
23		164 22.0	N06 21.4	355.1	-35.4
00	2026-04-06	179 22.2	N06 22.3	013.3	-34.6
01		194 22.4	N06 23.3	030.5	-30.8
02		209 22.6	N06 24.2	045.8	-24.6
03		224 22.8	N06 25.2	059.3	-16.7
04		239 22.9	N06 26.1	071.4	-07.6
05		254 23.1	N06 27.1	082.7	+02.4
06		269 23.3	N06 28.0	093.9	+12.2
07		284 23.5	N06 29.0	105.6	+22.1
08		299 23.7	N06 29.9	118.7	+31.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		314 23.8	N06 30.8	134.1	+39.4
10		329 24.0	N06 31.8	152.7	+45.4
11		344 24.2	N06 32.7	174.1	+48.2
12		359 24.4	N06 33.7	196.3	+47.4
13		14 24.5	N06 34.6	216.5	+42.9
14		29 24.7	N06 35.6	233.6	+35.8
15		44 24.9	N06 36.5	247.8	+27.1
16		59 25.1	N06 37.5	260.1	+17.6
17		74 25.2	N06 38.4	271.5	+07.7
18		89 25.4	N06 39.3	282.7	-02.3
19		104 25.6	N06 40.3	294.3	-11.8
20		119 25.8	N06 41.2	307.0	-20.4
21		134 26.0	N06 42.2	321.3	-27.6
22		149 26.1	N06 43.1	337.5	-32.6
23		164 26.3	N06 44.0	355.2	-35.0
00	2026-04-07	179 26.5	N06 45.0	013.3	-34.2
01		194 26.7	N06 45.9	030.4	-30.5
02		209 26.8	N06 46.9	045.7	-24.3
03		224 27.0	N06 47.8	059.2	-16.3
04		239 27.2	N06 48.7	071.2	-07.3
05		254 27.4	N06 49.7	082.5	+02.7
06		269 27.5	N06 50.6	093.7	+12.6
07		284 27.7	N06 51.6	105.4	+22.4
08		299 27.9	N06 52.5	118.5	+31.7
09		314 28.1	N06 53.4	134.0	+39.7
10		329 28.2	N06 54.4	152.6	+45.7
11		344 28.4	N06 55.3	174.2	+48.6
12		359 28.6	N06 56.3	196.5	+47.7
13		14 28.8	N06 57.2	216.8	+43.2
14		29 28.9	N06 58.1	233.9	+36.1
15		44 29.1	N06 59.1	248.1	+27.4
16		59 29.3	N07 00.0	260.4	+17.8
17		74 29.5	N07 01.0	271.8	+07.9
18		89 29.6	N07 01.9	283.0	-02.1
19		104 29.8	N07 02.8	294.6	-11.5
20		119 30.0	N07 03.8	307.3	-20.1
21		134 30.2	N07 04.7	321.5	-27.2
22		149 30.3	N07 05.6	337.7	-32.3
23		164 30.5	N07 06.6	355.3	-34.6
00	2026-04-08	179 30.7	N07 07.5	013.4	-33.8
01		194 30.9	N07 08.4	030.4	-30.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		209 31.0	N07 09.4	045.6	-23.9
03		224 31.2	N07 10.3	059.0	-16.0
04		239 31.4	N07 11.3	071.1	-06.9
05		254 31.6	N07 12.2	082.3	+03.1
06		269 31.7	N07 13.1	093.5	+12.9
07		284 31.9	N07 14.1	105.2	+22.7
08		299 32.1	N07 15.0	118.3	+32.0
09		314 32.2	N07 15.9	133.8	+40.1
10		329 32.4	N07 16.9	152.5	+46.1
11		344 32.6	N07 17.8	174.2	+49.0
12		359 32.8	N07 18.7	196.7	+48.1
13		14 32.9	N07 19.7	217.1	+43.5
14		29 33.1	N07 20.6	234.2	+36.4
15		44 33.3	N07 21.5	248.4	+27.6
16		59 33.5	N07 22.5	260.8	+18.0
17		74 33.6	N07 23.4	272.1	+08.1
18		89 33.8	N07 24.3	283.3	-01.9
19		104 34.0	N07 25.3	294.9	-11.3
20		119 34.1	N07 26.2	307.5	-19.8
21		134 34.3	N07 27.1	321.8	-26.9
22		149 34.5	N07 28.1	337.9	-31.9
23		164 34.7	N07 29.0	355.5	-34.2
00	2026-04-09	179 34.8	N07 29.9	013.4	-33.5
01		194 35.0	N07 30.8	030.3	-29.7
02		209 35.2	N07 31.8	045.5	-23.6
03		224 35.3	N07 32.7	058.8	-15.6
04		239 35.5	N07 33.6	070.9	-06.6
05		254 35.7	N07 34.6	082.1	+03.4
06		269 35.9	N07 35.5	093.3	+13.2
07		284 36.0	N07 36.4	105.0	+23.0
08		299 36.2	N07 37.4	118.1	+32.3
09		314 36.4	N07 38.3	133.6	+40.5
10		329 36.5	N07 39.2	152.4	+46.5
11		344 36.7	N07 40.1	174.3	+49.4
12		359 36.9	N07 41.1	196.9	+48.4
13		14 37.0	N07 42.0	217.4	+43.8
14		29 37.2	N07 42.9	234.5	+36.7
15		44 37.4	N07 43.9	248.7	+27.9
16		59 37.6	N07 44.8	261.1	+18.3
17		74 37.7	N07 45.7	272.4	+08.4
18		89 37.9	N07 46.6	283.6	-01.6
19		104 38.1	N07 47.6	295.2	-11.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		119 38.2	N07 48.5	307.8	-19.5
21		134 38.4	N07 49.4	322.0	-26.6
22		149 38.6	N07 50.3	338.1	-31.6
23		164 38.7	N07 51.3	355.6	-33.9
00	2026-04-10	179 38.9	N07 52.2	013.4	-33.1
01		194 39.1	N07 53.1	030.2	-29.3
02		209 39.2	N07 54.1	045.3	-23.2
03		224 39.4	N07 55.0	058.7	-15.3
04		239 39.6	N07 55.9	070.7	-06.3
05		254 39.7	N07 56.8	081.9	+03.7
06		269 39.9	N07 57.8	093.1	+13.5
07		284 40.1	N07 58.7	104.8	+23.4
08		299 40.2	N07 59.6	117.9	+32.7
09		314 40.4	N08 00.5	133.5	+40.8
10		329 40.6	N08 01.4	152.4	+46.9
11		344 40.7	N08 02.4	174.3	+49.8
12		359 40.9	N08 03.3	197.1	+48.8
13		14 41.1	N08 04.2	217.7	+44.2
14		29 41.2	N08 05.1	234.9	+36.9
15		44 41.4	N08 06.1	249.1	+28.1
16		59 41.6	N08 07.0	261.4	+18.5
17		74 41.7	N08 07.9	272.7	+08.6
18		89 41.9	N08 08.8	283.9	-01.4
19		104 42.1	N08 09.7	295.4	-10.8
20		119 42.2	N08 10.7	308.1	-19.3
21		134 42.4	N08 11.6	322.3	-26.3
22		149 42.6	N08 12.5	338.3	-31.3
23		164 42.7	N08 13.4	355.7	-33.5
00	2026-04-11	179 42.9	N08 14.4	013.4	-32.7
01		194 43.1	N08 15.3	030.1	-29.0
02		209 43.2	N08 16.2	045.2	-22.8
03		224 43.4	N08 17.1	058.5	-15.0
04		239 43.6	N08 18.0	070.5	-05.9
05		254 43.7	N08 19.0	081.7	+04.0
06		269 43.9	N08 19.9	092.9	+13.8
07		284 44.1	N08 20.8	104.6	+23.7
08		299 44.2	N08 21.7	117.7	+33.0
09		314 44.4	N08 22.6	133.3	+41.2
10		329 44.5	N08 23.5	152.3	+47.2
11		344 44.7	N08 24.5	174.4	+50.1
12		359 44.9	N08 25.4	197.3	+49.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		14 45.0	N08 26.3	218.0	+44.5
14		29 45.2	N08 27.2	235.2	+37.2
15		44 45.4	N08 28.1	249.4	+28.4
16		59 45.5	N08 29.0	261.7	+18.7
17		74 45.7	N08 30.0	273.0	+08.8
18		89 45.9	N08 30.9	284.1	-01.1
19		104 46.0	N08 31.8	295.7	-10.5
20		119 46.2	N08 32.7	308.3	-19.0
21		134 46.3	N08 33.6	322.5	-26.0
22		149 46.5	N08 34.5	338.4	-30.9
23		164 46.7	N08 35.5	355.8	-33.1
00	2026-04-12	179 46.8	N08 36.4	013.4	-32.3
01		194 47.0	N08 37.3	030.1	-28.6
02		209 47.2	N08 38.2	045.1	-22.5
03		224 47.3	N08 39.1	058.3	-14.6
04		239 47.5	N08 40.0	070.3	-05.6
05		254 47.6	N08 40.9	081.6	+04.3
06		269 47.8	N08 41.9	092.7	+14.1
07		284 48.0	N08 42.8	104.4	+24.0
08		299 48.1	N08 43.7	117.5	+33.3
09		314 48.3	N08 44.6	133.2	+41.5
10		329 48.4	N08 45.5	152.2	+47.6
11		344 48.6	N08 46.4	174.5	+50.5
12		359 48.8	N08 47.3	197.6	+49.5
13		14 48.9	N08 48.2	218.3	+44.8
14		29 49.1	N08 49.1	235.5	+37.5
15		44 49.2	N08 50.1	249.7	+28.6
16		59 49.4	N08 51.0	262.0	+19.0
17		74 49.6	N08 51.9	273.3	+09.0
18		89 49.7	N08 52.8	284.4	-00.3
19		104 49.9	N08 53.7	296.0	-10.3
20		119 50.0	N08 54.6	308.6	-18.7
21		134 50.2	N08 55.5	322.7	-25.7
22		149 50.4	N08 56.4	338.6	-30.6
23		164 50.5	N08 57.3	355.9	-32.8
00	2026-04-13	179 50.7	N08 58.2	013.4	-32.0
01		194 50.8	N08 59.2	030.0	-28.2
02		209 51.0	N09 00.1	044.9	-22.1
03		224 51.2	N09 01.0	058.2	-14.3
04		239 51.3	N09 01.9	070.1	-05.3
05		254 51.5	N09 02.8	081.4	+04.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		269 51.6	N09 03.7	092.5	+14.5
07		284 51.8	N09 04.6	104.2	+24.3
08		299 51.9	N09 05.5	117.3	+33.7
09		314 52.1	N09 06.4	133.0	+41.9
10		329 52.3	N09 07.3	152.1	+48.0
11		344 52.4	N09 08.2	174.5	+50.9
12		359 52.6	N09 09.1	197.8	+49.8
13		14 52.7	N09 10.0	218.6	+45.1
14		29 52.9	N09 10.9	235.8	+37.7
15		44 53.0	N09 11.8	250.0	+28.9
16		59 53.2	N09 12.7	262.3	+19.2
17		74 53.4	N09 13.6	273.6	+09.3
18		89 53.5	N09 14.6	284.7	-00.1
19		104 53.7	N09 15.5	296.3	-10.0
20		119 53.8	N09 16.4	308.8	-18.4
21		134 54.0	N09 17.3	323.0	-25.4
22		149 54.1	N09 18.2	338.8	-30.3
23		164 54.3	N09 19.1	356.0	-32.4
00	2026-04-14	179 54.4	N09 20.0	013.4	-31.6
01		194 54.6	N09 20.9	029.9	-27.9
02		209 54.8	N09 21.8	044.8	-21.8
03		224 54.9	N09 22.7	058.0	-14.0
04		239 55.1	N09 23.6	070.0	-05.0
05		254 55.2	N09 24.5	081.2	+04.9
06		269 55.4	N09 25.4	092.3	+14.8
07		284 55.5	N09 26.3	104.0	+24.6
08		299 55.7	N09 27.2	117.1	+34.0
09		314 55.8	N09 28.1	132.8	+42.2
10		329 56.0	N09 29.0	152.0	+48.3
11		344 56.1	N09 29.9	174.6	+51.2
12		359 56.3	N09 30.8	198.0	+50.1
13		14 56.4	N09 31.7	218.9	+45.4
14		29 56.6	N09 32.6	236.1	+38.0
15		44 56.7	N09 33.5	250.3	+29.1
16		59 56.9	N09 34.4	262.6	+19.4
17		74 57.1	N09 35.3	273.9	+09.5
18		89 57.2	N09 36.2	285.0	+00.1
19		104 57.4	N09 37.1	296.5	-09.8
20		119 57.5	N09 38.0	309.1	-18.2
21		134 57.7	N09 38.9	323.2	-25.1
22		149 57.8	N09 39.7	339.0	-29.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		164 58.0	N09 40.6	356.0	-32.1
00	2026-04-15	179 58.1	N09 41.5	013.4	-31.2
01		194 58.3	N09 42.4	029.9	-27.5
02		209 58.4	N09 43.3	044.7	-21.4
03		224 58.6	N09 44.2	057.9	-13.6
04		239 58.7	N09 45.1	069.8	-04.7
05		254 58.9	N09 46.0	081.0	+05.2
06		269 59.0	N09 46.9	092.1	+15.1
07		284 59.2	N09 47.8	103.7	+24.9
08		299 59.3	N09 48.7	116.9	+34.3
09		314 59.5	N09 49.6	132.7	+42.5
10		329 59.6	N09 50.5	151.9	+48.7
11		344 59.8	N09 51.4	174.7	+51.6
12		359 59.9	N09 52.3	198.2	+50.5
13		15 00.1	N09 53.2	219.2	+45.7
14		30 00.2	N09 54.1	236.5	+38.3
15		45 00.4	N09 54.9	250.7	+29.3
16		60 00.5	N09 55.8	262.9	+19.6
17		75 00.7	N09 56.7	274.2	+09.7
18		90 00.8	N09 57.6	285.3	+00.3
19		105 01.0	N09 58.5	296.8	-09.5
20		120 01.1	N09 59.4	309.4	-17.9
21		135 01.3	N10 00.3	323.4	-24.8
22		150 01.4	N10 01.2	339.1	-29.6
23		165 01.6	N10 02.1	356.1	-31.7
00	2026-04-16	180 01.7	N10 03.0	013.4	-30.9
01		195 01.9	N10 03.8	029.8	-27.2
02		210 02.0	N10 04.7	044.6	-21.1
03		225 02.1	N10 05.6	057.7	-13.3
04		240 02.3	N10 06.5	069.6	-04.3
05		255 02.4	N10 07.4	080.8	+05.5
06		270 02.6	N10 08.3	091.8	+15.4
07		285 02.7	N10 09.2	103.5	+25.3
08		300 02.9	N10 10.1	116.7	+34.6
09		315 03.0	N10 10.9	132.5	+42.9
10		330 03.2	N10 11.8	151.9	+49.0
11		345 03.3	N10 12.7	174.7	+51.9
12		0 03.5	N10 13.6	198.4	+50.8
13		15 03.6	N10 14.5	219.5	+46.0
14		30 03.8	N10 15.4	236.8	+38.5
15		45 03.9	N10 16.3	251.0	+29.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		60 04.0	N10 17.1	263.2	+19.9
17		75 04.2	N10 18.0	274.5	+09.9
18		90 04.3	N10 18.9	285.6	+00.5
19		105 04.5	N10 19.8	297.1	-09.3
20		120 04.6	N10 20.7	309.6	-17.6
21		135 04.8	N10 21.6	323.6	-24.5
22		150 04.9	N10 22.4	339.3	-29.3
23		165 05.1	N10 23.3	356.2	-31.4
00	2026-04-17	180 05.2	N10 24.2	013.4	-30.5
01		195 05.3	N10 25.1	029.7	-26.8
02		210 05.5	N10 26.0	044.4	-20.8
03		225 05.6	N10 26.8	057.5	-13.0
04		240 05.8	N10 27.7	069.4	-04.0
05		255 05.9	N10 28.6	080.6	+05.8
06		270 06.1	N10 29.5	091.6	+15.7
07		285 06.2	N10 30.4	103.3	+25.6
08		300 06.3	N10 31.2	116.5	+35.0
09		315 06.5	N10 32.1	132.3	+43.2
10		330 06.6	N10 33.0	151.8	+49.4
11		345 06.8	N10 33.9	174.8	+52.3
12		0 06.9	N10 34.8	198.6	+51.1
13		15 07.0	N10 35.6	219.8	+46.3
14		30 07.2	N10 36.5	237.1	+38.8
15		45 07.3	N10 37.4	251.3	+29.8
16		60 07.5	N10 38.3	263.5	+20.1
17		75 07.6	N10 39.1	274.8	+10.2
18		90 07.8	N10 40.0	285.8	+00.7
19		105 07.9	N10 40.9	297.3	-09.0
20		120 08.0	N10 41.8	309.8	-17.4
21		135 08.2	N10 42.6	323.8	-24.2
22		150 08.3	N10 43.5	339.4	-28.9
23		165 08.5	N10 44.4	356.3	-31.0
00	2026-04-18	180 08.6	N10 45.3	013.4	-30.2
01		195 08.7	N10 46.1	029.6	-26.5
02		210 08.9	N10 47.0	044.3	-20.4
03		225 09.0	N10 47.9	057.4	-12.7
04		240 09.2	N10 48.8	069.2	-03.7
05		255 09.3	N10 49.6	080.4	+06.1
06		270 09.4	N10 50.5	091.4	+16.0
07		285 09.6	N10 51.4	103.1	+25.9
08		300 09.7	N10 52.3	116.3	+35.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		315 09.8	N10 53.1	132.1	+43.5
10		330 10.0	N10 54.0	151.7	+49.7
11		345 10.1	N10 54.9	174.8	+52.7
12		0 10.3	N10 55.7	198.8	+51.5
13		15 10.4	N10 56.6	220.1	+46.6
14		30 10.5	N10 57.5	237.4	+39.0
15		45 10.7	N10 58.4	251.6	+30.0
16		60 10.8	N10 59.2	263.8	+20.3
17		75 10.9	N11 00.1	275.1	+10.4
18		90 11.1	N11 01.0	286.1	+00.9
19		105 11.2	N11 01.8	297.6	-08.8
20		120 11.3	N11 02.7	310.1	-17.1
21		135 11.5	N11 03.6	324.0	-23.9
22		150 11.6	N11 04.4	339.6	-28.6
23		165 11.8	N11 05.3	356.4	-30.7
00	2026-04-19	180 11.9	N11 06.2	013.4	-29.8
01		195 12.0	N11 07.0	029.6	-26.1
02		210 12.2	N11 07.9	044.2	-20.1
03		225 12.3	N11 08.8	057.2	-12.3
04		240 12.4	N11 09.6	069.1	-03.4
05		255 12.6	N11 10.5	080.2	+06.4
06		270 12.7	N11 11.4	091.2	+16.2
07		285 12.8	N11 12.2	102.9	+26.2
08		300 13.0	N11 13.1	116.1	+35.6
09		315 13.1	N11 14.0	132.0	+43.9
10		330 13.2	N11 14.8	151.6	+50.1
11		345 13.4	N11 15.7	174.9	+53.0
12		0 13.5	N11 16.5	199.0	+51.8
13		15 13.6	N11 17.4	220.4	+46.8
14		30 13.8	N11 18.3	237.7	+39.3
15		45 13.9	N11 19.1	251.9	+30.3
16		60 14.0	N11 20.0	264.1	+20.5
17		75 14.2	N11 20.9	275.3	+10.6
18		90 14.3	N11 21.7	286.4	+01.1
19		105 14.4	N11 22.6	297.8	-08.5
20		120 14.6	N11 23.4	310.3	-16.8
21		135 14.7	N11 24.3	324.2	-23.6
22		150 14.8	N11 25.2	339.7	-28.3
23		165 15.0	N11 26.0	356.5	-30.3
00	2026-04-20	180 15.1	N11 26.9	013.4	-29.5
01		195 15.2	N11 27.7	029.5	-25.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		210 15.4	N11 28.6	044.1	-19.8
03		225 15.5	N11 29.5	057.1	-12.0
04		240 15.6	N11 30.3	068.9	-03.1
05		255 15.7	N11 31.2	080.0	+06.6
06		270 15.9	N11 32.0	091.0	+16.5
07		285 16.0	N11 32.9	102.7	+26.4
08		300 16.1	N11 33.7	115.9	+35.9
09		315 16.3	N11 34.6	131.8	+44.2
10		330 16.4	N11 35.5	151.5	+50.4
11		345 16.5	N11 36.3	174.9	+53.4
12		0 16.7	N11 37.2	199.2	+52.1
13		15 16.8	N11 38.0	220.7	+47.1
14		30 16.9	N11 38.9	238.0	+39.5
15		45 17.0	N11 39.7	252.2	+30.5
16		60 17.2	N11 40.6	264.4	+20.7
17		75 17.3	N11 41.4	275.6	+10.8
18		90 17.4	N11 42.3	286.6	+01.3
19		105 17.6	N11 43.1	298.1	-08.3
20		120 17.7	N11 44.0	310.5	-16.5
21		135 17.8	N11 44.8	324.4	-23.3
22		150 17.9	N11 45.7	339.9	-28.0
23		165 18.1	N11 46.5	356.5	-30.0
00	2026-04-21	180 18.2	N11 47.4	013.4	-29.1
01		195 18.3	N11 48.3	029.4	-25.4
02		210 18.4	N11 49.1	043.9	-19.4
03		225 18.6	N11 50.0	056.9	-11.7
04		240 18.7	N11 50.8	068.7	-02.8
05		255 18.8	N11 51.7	079.8	+06.9
06		270 18.9	N11 52.5	090.8	+16.8
07		285 19.1	N11 53.3	102.5	+26.7
08		300 19.2	N11 54.2	115.7	+36.2
09		315 19.3	N11 55.0	131.6	+44.5
10		330 19.4	N11 55.9	151.4	+50.8
11		345 19.6	N11 56.7	175.0	+53.7
12		0 19.7	N11 57.6	199.4	+52.4
13		15 19.8	N11 58.4	220.9	+47.4
14		30 19.9	N11 59.3	238.3	+39.8
15		45 20.1	N12 00.1	252.5	+30.7
16		60 20.2	N12 01.0	264.7	+21.0
17		75 20.3	N12 01.8	275.9	+11.0
18		90 20.4	N12 02.7	286.9	+01.5
19		105 20.6	N12 03.5	298.3	-08.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		120 20.7	N12 04.4	310.8	-16.3
21		135 20.8	N12 05.2	324.6	-23.0
22		150 20.9	N12 06.0	340.0	-27.6
23		165 21.1	N12 06.9	356.6	-29.7
00	2026-04-22	180 21.2	N12 07.7	013.4	-28.8
01		195 21.3	N12 08.6	029.3	-25.1
02		210 21.4	N12 09.4	043.8	-19.1
03		225 21.5	N12 10.3	056.8	-11.4
04		240 21.7	N12 11.1	068.5	-02.5
05		255 21.8	N12 11.9	079.6	+07.2
06		270 21.9	N12 12.8	090.6	+17.1
07		285 22.0	N12 13.6	102.3	+27.0
08		300 22.2	N12 14.5	115.5	+36.5
09		315 22.3	N12 15.3	131.4	+44.8
10		330 22.4	N12 16.1	151.3	+51.1
11		345 22.5	N12 17.0	175.0	+54.0
12		0 22.6	N12 17.8	199.6	+52.8
13		15 22.8	N12 18.7	221.2	+47.7
14		30 22.9	N12 19.5	238.6	+40.0
15		45 23.0	N12 20.3	252.8	+30.9
16		60 23.1	N12 21.2	265.0	+21.2
17		75 23.2	N12 22.0	276.1	+11.2
18		90 23.4	N12 22.8	287.1	+01.7
19		105 23.5	N12 23.7	298.6	-07.8
20		120 23.6	N12 24.5	311.0	-16.0
21		135 23.7	N12 25.3	324.8	-22.7
22		150 23.8	N12 26.2	340.2	-27.3
23		165 23.9	N12 27.0	356.7	-29.3
00	2026-04-23	180 24.1	N12 27.8	013.4	-28.4
01		195 24.2	N12 28.7	029.3	-24.8
02		210 24.3	N12 29.5	043.7	-18.8
03		225 24.4	N12 30.4	056.6	-11.1
04		240 24.5	N12 31.2	068.3	-02.2
05		255 24.7	N12 32.0	079.4	+07.5
06		270 24.8	N12 32.8	090.4	+17.4
07		285 24.9	N12 33.7	102.1	+27.3
08		300 25.0	N12 34.5	115.3	+36.8
09		315 25.1	N12 35.3	131.2	+45.1
10		330 25.2	N12 36.2	151.2	+51.4
11		345 25.3	N12 37.0	175.1	+54.4
12		0 25.5	N12 37.8	199.8	+53.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		15 25.6	N12 38.7	221.5	+48.0
14		30 25.7	N12 39.5	238.9	+40.3
15		45 25.8	N12 40.3	253.1	+31.2
16		60 25.9	N12 41.2	265.2	+21.4
17		75 26.0	N12 42.0	276.4	+11.4
18		90 26.2	N12 42.8	287.4	+01.9
19		105 26.3	N12 43.6	298.8	-07.6
20		120 26.4	N12 44.5	311.2	-15.8
21		135 26.5	N12 45.3	325.0	-22.4
22		150 26.6	N12 46.1	340.3	-27.0
23		165 26.7	N12 46.9	356.7	-29.0
00	2026-04-24	180 26.8	N12 47.8	013.4	-28.1
01		195 27.0	N12 48.6	029.2	-24.4
02		210 27.1	N12 49.4	043.6	-18.5
03		225 27.2	N12 50.2	056.4	-10.8
04		240 27.3	N12 51.1	068.2	-02.0
05		255 27.4	N12 51.9	079.2	+07.8
06		270 27.5	N12 52.7	090.2	+17.6
07		285 27.6	N12 53.5	101.8	+27.6
08		300 27.7	N12 54.4	115.0	+37.0
09		315 27.8	N12 55.2	131.0	+45.4
10		330 28.0	N12 56.0	151.1	+51.8
11		345 28.1	N12 56.8	175.1	+54.7
12		0 28.2	N12 57.6	200.0	+53.4
13		15 28.3	N12 58.5	221.8	+48.2
14		30 28.4	N12 59.3	239.2	+40.5
15		45 28.5	N13 00.1	253.4	+31.4
16		60 28.6	N13 00.9	265.5	+21.6
17		75 28.7	N13 01.7	276.7	+11.7
18		90 28.8	N13 02.6	287.6	+02.1
19		105 29.0	N13 03.4	299.0	-07.3
20		120 29.1	N13 04.2	311.4	-15.5
21		135 29.2	N13 05.0	325.2	-22.1
22		150 29.3	N13 05.8	340.4	-26.7
23		165 29.4	N13 06.7	356.8	-28.7
00	2026-04-25	180 29.5	N13 07.5	013.4	-27.8
01		195 29.6	N13 08.3	029.1	-24.1
02		210 29.7	N13 09.1	043.4	-18.2
03		225 29.8	N13 09.9	056.3	-10.5
04		240 29.9	N13 10.7	068.0	-01.7
05		255 30.0	N13 11.5	079.0	+08.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		270 30.1	N13 12.4	090.0	+17.9
07		285 30.3	N13 13.2	101.6	+27.8
08		300 30.4	N13 14.0	114.8	+37.3
09		315 30.5	N13 14.8	130.8	+45.7
10		330 30.6	N13 15.6	151.0	+52.1
11		345 30.7	N13 16.4	175.2	+55.0
12		0 30.8	N13 17.2	200.2	+53.7
13		15 30.9	N13 18.1	222.1	+48.5
14		30 31.0	N13 18.9	239.5	+40.8
15		45 31.1	N13 19.7	253.7	+31.6
16		60 31.2	N13 20.5	265.8	+21.8
17		75 31.3	N13 21.3	276.9	+11.9
18		90 31.4	N13 22.1	287.9	+02.3
19		105 31.5	N13 22.9	299.3	-07.1
20		120 31.6	N13 23.7	311.6	-15.2
21		135 31.7	N13 24.5	325.4	-21.9
22		150 31.8	N13 25.3	340.6	-26.4
23		165 31.9	N13 26.1	356.9	-28.3
00	2026-04-26	180 32.0	N13 27.0	013.4	-27.4
01		195 32.1	N13 27.8	029.0	-23.8
02		210 32.3	N13 28.6	043.3	-17.9
03		225 32.4	N13 29.4	056.1	-10.2
04		240 32.5	N13 30.2	067.8	-01.4
05		255 32.6	N13 31.0	078.8	+08.3
06		270 32.7	N13 31.8	089.8	+18.2
07		285 32.8	N13 32.6	101.4	+28.1
08		300 32.9	N13 33.4	114.6	+37.6
09		315 33.0	N13 34.2	130.6	+46.0
10		330 33.1	N13 35.0	150.8	+52.4
11		345 33.2	N13 35.8	175.2	+55.4
12		0 33.3	N13 36.6	200.4	+54.0
13		15 33.4	N13 37.4	222.4	+48.8
14		30 33.5	N13 38.2	239.8	+41.0
15		45 33.6	N13 39.0	254.0	+31.8
16		60 33.7	N13 39.8	266.1	+22.0
17		75 33.8	N13 40.6	277.2	+12.1
18		90 33.9	N13 41.4	288.1	+02.5
19		105 34.0	N13 42.2	299.5	-06.9
20		120 34.1	N13 43.0	311.8	-15.0
21		135 34.2	N13 43.8	325.5	-21.6
22		150 34.3	N13 44.6	340.7	-26.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		165 34.4	N13 45.4	356.9	-28.0
00	2026-04-27	180 34.5	N13 46.2	013.3	-27.1
01		195 34.6	N13 47.0	029.0	-23.5
02		210 34.7	N13 47.8	043.2	-17.6
03		225 34.8	N13 48.6	056.0	-10.0
04		240 34.9	N13 49.4	067.6	-01.1
05		255 35.0	N13 50.2	078.7	+08.5
06		270 35.1	N13 51.0	089.6	+18.4
07		285 35.2	N13 51.8	101.2	+28.4
08		300 35.3	N13 52.6	114.4	+37.9
09		315 35.4	N13 53.4	130.5	+46.3
10		330 35.4	N13 54.2	150.7	+52.7
11		345 35.5	N13 55.0	175.2	+55.7
12		0 35.6	N13 55.8	200.6	+54.3
13		15 35.7	N13 56.6	222.6	+49.0
14		30 35.8	N13 57.4	240.1	+41.2
15		45 35.9	N13 58.1	254.2	+32.0
16		60 36.0	N13 58.9	266.3	+22.2
17		75 36.1	N13 59.7	277.4	+12.3
18		90 36.2	N14 00.5	288.4	+02.7
19		105 36.3	N14 01.3	299.7	-06.6
20		120 36.4	N14 02.1	312.0	-14.7
21		135 36.5	N14 02.9	325.7	-21.3
22		150 36.6	N14 03.7	340.8	-25.8
23		165 36.7	N14 04.5	357.0	-27.7
00	2026-04-28	180 36.8	N14 05.3	013.3	-26.8
01		195 36.9	N14 06.0	028.9	-23.2
02		210 37.0	N14 06.8	043.1	-17.3
03		225 37.1	N14 07.6	055.8	-09.7
04		240 37.2	N14 08.4	067.5	-00.2
05		255 37.2	N14 09.2	078.5	+08.8
06		270 37.3	N14 10.0	089.4	+18.7
07		285 37.4	N14 10.8	101.0	+28.6
08		300 37.5	N14 11.5	114.2	+38.2
09		315 37.6	N14 12.3	130.3	+46.6
10		330 37.7	N14 13.1	150.6	+53.0
11		345 37.8	N14 13.9	175.3	+56.0
12		0 37.9	N14 14.7	200.8	+54.6
13		15 38.0	N14 15.5	222.9	+49.3
14		30 38.1	N14 16.2	240.4	+41.5
15		45 38.2	N14 17.0	254.5	+32.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		60 38.2	N14 17.8	266.6	+22.4
17		75 38.3	N14 18.6	277.7	+12.5
18		90 38.4	N14 19.4	288.6	+02.9
19		105 38.5	N14 20.2	299.9	-06.4
20		120 38.6	N14 20.9	312.2	-14.5
21		135 38.7	N14 21.7	325.9	-21.0
22		150 38.8	N14 22.5	340.9	-25.5
23		165 38.9	N14 23.3	357.0	-27.4
00	2026-04-29	180 39.0	N14 24.1	013.3	-26.5
01		195 39.0	N14 24.8	028.8	-22.9
02		210 39.1	N14 25.6	042.9	-17.0
03		225 39.2	N14 26.4	055.7	-09.4
04		240 39.3	N14 27.2	067.3	-00.0
05		255 39.4	N14 27.9	078.3	+09.0
06		270 39.5	N14 28.7	089.2	+18.9
07		285 39.6	N14 29.5	100.8	+28.9
08		300 39.7	N14 30.3	114.0	+38.4
09		315 39.7	N14 31.0	130.1	+46.9
10		330 39.8	N14 31.8	150.5	+53.3
11		345 39.9	N14 32.6	175.3	+56.3
12		0 40.0	N14 33.4	201.0	+54.9
13		15 40.1	N14 34.1	223.2	+49.6
14		30 40.2	N14 34.9	240.7	+41.7
15		45 40.3	N14 35.7	254.8	+32.5
16		60 40.3	N14 36.5	266.8	+22.6
17		75 40.4	N14 37.2	277.9	+12.7
18		90 40.5	N14 38.0	288.8	+03.1
19		105 40.6	N14 38.8	300.2	-06.2
20		120 40.7	N14 39.5	312.4	-14.2
21		135 40.8	N14 40.3	326.0	-20.7
22		150 40.8	N14 41.1	341.0	-25.2
23		165 40.9	N14 41.8	357.1	-27.1
00	2026-04-30	180 41.0	N14 42.6	013.3	-26.2
01		195 41.1	N14 43.4	028.7	-22.6
02		210 41.2	N14 44.2	042.8	-16.7
03		225 41.3	N14 44.9	055.5	-09.1
04		240 41.3	N14 45.7	067.1	+00.2
05		255 41.4	N14 46.5	078.1	+09.3
06		270 41.5	N14 47.2	089.0	+19.2
07		285 41.6	N14 48.0	100.6	+29.1
08		300 41.7	N14 48.8	113.8	+38.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		315 41.8	N14 49.5	129.9	+47.2
10		330 41.8	N14 50.3	150.4	+53.6
11		345 41.9	N14 51.0	175.3	+56.6
12		0 42.0	N14 51.8	201.2	+55.2
13		15 42.1	N14 52.6	223.4	+49.8
14		30 42.2	N14 53.3	241.0	+41.9
15		45 42.2	N14 54.1	255.1	+32.7
16		60 42.3	N14 54.9	267.1	+22.8
17		75 42.4	N14 55.6	278.2	+12.9
18		90 42.5	N14 56.4	289.0	+03.3
19		105 42.5	N14 57.1	300.4	-06.0
20		120 42.6	N14 57.9	312.6	-14.0
21		135 42.7	N14 58.7	326.2	-20.5
22		150 42.8	N14 59.4	341.2	-24.9
23		165 42.9	N15 00.2	357.1	-26.8
00	2026-05-01	180 42.9	N15 00.9	013.3	-25.9
01		195 43.0	N15 01.7	028.7	-22.3
02		210 43.1	N15 02.5	042.7	-16.4
03		225 43.2	N15 03.2	055.4	-08.9
04		240 43.2	N15 04.0	067.0	+00.4
05		255 43.3	N15 04.7	077.9	+09.5
06		270 43.4	N15 05.5	088.8	+19.4
07		285 43.5	N15 06.2	100.4	+29.4
08		300 43.5	N15 07.0	113.5	+38.9
09		315 43.6	N15 07.7	129.7	+47.5
10		330 43.7	N15 08.5	150.2	+53.9
11		345 43.8	N15 09.3	175.3	+56.9
12		0 43.8	N15 10.0	201.4	+55.5
13		15 43.9	N15 10.8	223.7	+50.1
14		30 44.0	N15 11.5	241.3	+42.1
15		45 44.1	N15 12.3	255.3	+32.9
16		60 44.1	N15 13.0	267.3	+23.0
17		75 44.2	N15 13.8	278.4	+13.1
18		90 44.3	N15 14.5	289.3	+03.5
19		105 44.4	N15 15.3	300.6	-05.7
20		120 44.4	N15 16.0	312.8	-13.7
21		135 44.5	N15 16.8	326.3	-20.2
22		150 44.6	N15 17.5	341.3	-24.6
23		165 44.7	N15 18.3	357.2	-26.5
00	2026-05-02	180 44.7	N15 19.0	013.3	-25.6
01		195 44.8	N15 19.8	028.6	-22.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		210 44.9	N15 20.5	042.6	-16.1
03		225 44.9	N15 21.3	055.2	-08.6
04		240 45.0	N15 22.0	066.8	+00.6
05		255 45.1	N15 22.7	077.7	+09.8
06		270 45.2	N15 23.5	088.6	+19.7
07		285 45.2	N15 24.2	100.2	+29.6
08		300 45.3	N15 25.0	113.3	+39.2
09		315 45.4	N15 25.7	129.5	+47.7
10		330 45.4	N15 26.5	150.1	+54.2
11		345 45.5	N15 27.2	175.4	+57.2
12		0 45.6	N15 28.0	201.6	+55.7
13		15 45.6	N15 28.7	224.0	+50.3
14		30 45.7	N15 29.4	241.5	+42.4
15		45 45.8	N15 30.2	255.6	+33.1
16		60 45.8	N15 30.9	267.6	+23.2
17		75 45.9	N15 31.7	278.6	+13.3
18		90 46.0	N15 32.4	289.5	+03.7
19		105 46.0	N15 33.1	300.8	-05.5
20		120 46.1	N15 33.9	313.0	-13.5
21		135 46.2	N15 34.6	326.5	-19.9
22		150 46.2	N15 35.4	341.4	-24.3
23		165 46.3	N15 36.1	357.2	-26.2
00	2026-05-03	180 46.4	N15 36.8	013.2	-25.3
01		195 46.4	N15 37.6	028.5	-21.7
02		210 46.5	N15 38.3	042.5	-15.9
03		225 46.6	N15 39.0	055.1	-08.3
04		240 46.6	N15 39.8	066.6	+00.8
05		255 46.7	N15 40.5	077.5	+10.0
06		270 46.8	N15 41.2	088.4	+19.9
07		285 46.8	N15 42.0	099.9	+29.8
08		300 46.9	N15 42.7	113.1	+39.4
09		315 47.0	N15 43.4	129.3	+48.0
10		330 47.0	N15 44.2	150.0	+54.5
11		345 47.1	N15 44.9	175.4	+57.5
12		0 47.2	N15 45.6	201.7	+56.0
13		15 47.2	N15 46.4	224.2	+50.6
14		30 47.3	N15 47.1	241.8	+42.6
15		45 47.3	N15 47.8	255.8	+33.3
16		60 47.4	N15 48.6	267.8	+23.4
17		75 47.5	N15 49.3	278.8	+13.5
18		90 47.5	N15 50.0	289.7	+03.9
19		105 47.6	N15 50.8	301.0	-05.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		120 47.7	N15 51.5	313.2	-13.3
21		135 47.7	N15 52.2	326.6	-19.7
22		150 47.8	N15 52.9	341.5	-24.1
23		165 47.8	N15 53.7	357.3	-25.9
00	2026-05-04	180 47.9	N15 54.4	013.2	-25.0
01		195 48.0	N15 55.1	028.4	-21.4
02		210 48.0	N15 55.8	042.3	-15.6
03		225 48.1	N15 56.6	054.9	-08.1
04		240 48.1	N15 57.3	066.5	+01.0
05		255 48.2	N15 58.0	077.4	+10.2
06		270 48.3	N15 58.7	088.2	+20.1
07		285 48.3	N15 59.5	099.7	+30.1
08		300 48.4	N16 00.2	112.9	+39.7
09		315 48.4	N16 00.9	129.1	+48.2
10		330 48.5	N16 01.6	149.8	+54.8
11		345 48.5	N16 02.4	175.4	+57.8
12		0 48.6	N16 03.1	201.9	+56.3
13		15 48.7	N16 03.8	224.5	+50.8
14		30 48.7	N16 04.5	242.1	+42.8
15		45 48.8	N16 05.2	256.1	+33.5
16		60 48.8	N16 06.0	268.1	+23.6
17		75 48.9	N16 06.7	279.1	+13.7
18		90 48.9	N16 07.4	289.9	+04.1
19		105 49.0	N16 08.1	301.2	-05.1
20		120 49.1	N16 08.8	313.3	-13.0
21		135 49.1	N16 09.5	326.8	-19.4
22		150 49.2	N16 10.3	341.6	-23.8
23		165 49.2	N16 11.0	357.3	-25.6
00	2026-05-05	180 49.3	N16 11.7	013.2	-24.7
01		195 49.3	N16 12.4	028.3	-21.1
02		210 49.4	N16 13.1	042.2	-15.3
03		225 49.4	N16 13.8	054.8	-07.8
04		240 49.5	N16 14.5	066.3	+01.3
05		255 49.5	N16 15.3	077.2	+10.5
06		270 49.6	N16 16.0	088.0	+20.3
07		285 49.7	N16 16.7	099.5	+30.3
08		300 49.7	N16 17.4	112.7	+39.9
09		315 49.8	N16 18.1	128.8	+48.5
10		330 49.8	N16 18.8	149.7	+55.1
11		345 49.9	N16 19.5	175.4	+58.1
12		0 49.9	N16 20.2	202.1	+56.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		15 50.0	N16 21.0	224.7	+51.0
14		30 50.0	N16 21.7	242.3	+43.0
15		45 50.1	N16 22.4	256.3	+33.7
16		60 50.1	N16 23.1	268.3	+23.8
17		75 50.2	N16 23.8	279.3	+13.9
18		90 50.2	N16 24.5	290.1	+04.3
19		105 50.3	N16 25.2	301.3	-04.8
20		120 50.3	N16 25.9	313.5	-12.8
21		135 50.4	N16 26.6	326.9	-19.2
22		150 50.4	N16 27.3	341.6	-23.5
23		165 50.5	N16 28.0	357.3	-25.3
00	2026-05-06	180 50.5	N16 28.7	013.1	-24.4
01		195 50.6	N16 29.4	028.3	-20.8
02		210 50.6	N16 30.1	042.1	-15.1
03		225 50.7	N16 30.8	054.6	-07.6
04		240 50.7	N16 31.5	066.1	+01.5
05		255 50.8	N16 32.2	077.0	+10.7
06		270 50.8	N16 32.9	087.8	+20.6
07		285 50.8	N16 33.6	099.3	+30.5
08		300 50.9	N16 34.3	112.5	+40.1
09		315 50.9	N16 35.0	128.6	+48.7
10		330 51.0	N16 35.7	149.5	+55.3
11		345 51.0	N16 36.4	175.4	+58.4
12		0 51.1	N16 37.1	202.2	+56.8
13		15 51.1	N16 37.8	225.0	+51.3
14		30 51.2	N16 38.5	242.6	+43.2
15		45 51.2	N16 39.2	256.6	+33.9
16		60 51.3	N16 39.9	268.5	+24.0
17		75 51.3	N16 40.6	279.5	+14.1
18		90 51.3	N16 41.3	290.3	+04.5
19		105 51.4	N16 42.0	301.5	-04.6
20		120 51.4	N16 42.7	313.7	-12.5
21		135 51.5	N16 43.4	327.0	-18.9
22		150 51.5	N16 44.1	341.7	-23.2
23		165 51.6	N16 44.8	357.4	-25.0
00	2026-05-07	180 51.6	N16 45.5	013.1	-24.1
01		195 51.6	N16 46.2	028.2	-20.6
02		210 51.7	N16 46.9	042.0	-14.8
03		225 51.7	N16 47.6	054.5	-07.3
04		240 51.8	N16 48.2	066.0	+01.7
05		255 51.8	N16 48.9	076.8	+10.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		270 51.9	N16 49.6	087.6	+20.8
07		285 51.9	N16 50.3	099.1	+30.7
08		300 51.9	N16 51.0	112.2	+40.3
09		315 52.0	N16 51.7	128.4	+49.0
10		330 52.0	N16 52.4	149.4	+55.6
11		345 52.1	N16 53.1	175.4	+58.7
12		0 52.1	N16 53.8	202.4	+57.1
13		15 52.1	N16 54.4	225.2	+51.5
14		30 52.2	N16 55.1	242.8	+43.4
15		45 52.2	N16 55.8	256.8	+34.1
16		60 52.3	N16 56.5	268.7	+24.2
17		75 52.3	N16 57.2	279.7	+14.2
18		90 52.3	N16 57.9	290.5	+04.7
19		105 52.4	N16 58.6	301.7	-04.4
20		120 52.4	N16 59.2	313.8	-12.3
21		135 52.4	N16 59.9	327.2	-18.7
22		150 52.5	N17 00.6	341.8	-23.0
23		165 52.5	N17 01.3	357.4	-24.8
00	2026-05-08	180 52.5	N17 02.0	013.1	-23.8
01		195 52.6	N17 02.6	028.1	-20.3
02		210 52.6	N17 03.3	041.9	-14.6
03		225 52.7	N17 04.0	054.4	-07.1
04		240 52.7	N17 04.7	065.8	+01.9
05		255 52.7	N17 05.4	076.6	+11.1
06		270 52.8	N17 06.0	087.4	+21.0
07		285 52.8	N17 06.7	098.9	+30.9
08		300 52.8	N17 07.4	112.0	+40.6
09		315 52.9	N17 08.1	128.2	+49.2
10		330 52.9	N17 08.7	149.3	+55.9
11		345 52.9	N17 09.4	175.4	+58.9
12		0 53.0	N17 10.1	202.6	+57.4
13		15 53.0	N17 10.8	225.5	+51.7
14		30 53.0	N17 11.4	243.1	+43.6
15		45 53.1	N17 12.1	257.1	+34.2
16		60 53.1	N17 12.8	269.0	+24.4
17		75 53.1	N17 13.5	279.9	+14.4
18		90 53.2	N17 14.1	290.7	+04.9
19		105 53.2	N17 14.8	301.9	-04.2
20		120 53.2	N17 15.5	314.0	-12.1
21		135 53.3	N17 16.2	327.3	-18.4
22		150 53.3	N17 16.8	341.9	-22.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		165 53.3	N17 17.5	357.4	-24.5
00	2026-05-09	180 53.3	N17 18.2	013.1	-23.6
01		195 53.4	N17 18.8	028.0	-20.1
02		210 53.4	N17 19.5	041.8	-14.3
03		225 53.4	N17 20.2	054.2	-06.9
04		240 53.5	N17 20.8	065.6	+02.1
05		255 53.5	N17 21.5	076.5	+11.3
06		270 53.5	N17 22.2	087.2	+21.2
07		285 53.6	N17 22.8	098.7	+31.1
08		300 53.6	N17 23.5	111.8	+40.8
09		315 53.6	N17 24.2	128.0	+49.5
10		330 53.6	N17 24.8	149.1	+56.1
11		345 53.7	N17 25.5	175.4	+59.2
12		0 53.7	N17 26.2	202.7	+57.6
13		15 53.7	N17 26.8	225.7	+52.0
14		30 53.7	N17 27.5	243.3	+43.8
15		45 53.8	N17 28.1	257.3	+34.4
16		60 53.8	N17 28.8	269.2	+24.5
17		75 53.8	N17 29.5	280.1	+14.6
18		90 53.9	N17 30.1	290.9	+05.1
19		105 53.9	N17 30.8	302.0	-04.0
20		120 53.9	N17 31.4	314.1	-11.9
21		135 53.9	N17 32.1	327.4	-18.2
22		150 54.0	N17 32.8	342.0	-22.5
23		165 54.0	N17 33.4	357.4	-24.2
00	2026-05-10	180 54.0	N17 34.1	013.0	-23.3
01		195 54.0	N17 34.7	027.9	-19.8
02		210 54.1	N17 35.4	041.6	-14.1
03		225 54.1	N17 36.0	054.1	-06.7
04		240 54.1	N17 36.7	065.5	+02.3
05		255 54.1	N17 37.4	076.3	+11.5
06		270 54.1	N17 38.0	087.1	+21.4
07		285 54.2	N17 38.7	098.5	+31.3
08		300 54.2	N17 39.3	111.6	+41.0
09		315 54.2	N17 40.0	127.8	+49.7
10		330 54.2	N17 40.6	148.9	+56.4
11		345 54.3	N17 41.3	175.4	+59.5
12		0 54.3	N17 41.9	202.9	+57.9
13		15 54.3	N17 42.6	225.9	+52.2
14		30 54.3	N17 43.2	243.6	+44.0
15		45 54.3	N17 43.9	257.5	+34.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		60 54.4	N17 44.5	269.4	+24.7
17		75 54.4	N17 45.2	280.3	+14.8
18		90 54.4	N17 45.8	291.0	+05.3
19		105 54.4	N17 46.5	302.2	-03.8
20		120 54.4	N17 47.1	314.3	-11.6
21		135 54.5	N17 47.8	327.5	-17.9
22		150 54.5	N17 48.4	342.0	-22.2
23		165 54.5	N17 49.0	357.4	-24.0
00	2026-05-11	180 54.5	N17 49.7	013.0	-23.1
01		195 54.5	N17 50.3	027.8	-19.5
02		210 54.5	N17 51.0	041.5	-13.8
03		225 54.6	N17 51.6	053.9	-06.4
04		240 54.6	N17 52.3	065.3	+02.5
05		255 54.6	N17 52.9	076.1	+11.7
06		270 54.6	N17 53.6	086.9	+21.6
07		285 54.6	N17 54.2	098.3	+31.5
08		300 54.6	N17 54.8	111.4	+41.2
09		315 54.7	N17 55.5	127.6	+49.9
10		330 54.7	N17 56.1	148.8	+56.6
11		345 54.7	N17 56.8	175.4	+59.7
12		0 54.7	N17 57.4	203.0	+58.1
13		15 54.7	N17 58.0	226.1	+52.4
14		30 54.7	N17 58.7	243.8	+44.2
15		45 54.7	N17 59.3	257.7	+34.8
16		60 54.8	N17 59.9	269.6	+24.9
17		75 54.8	N18 00.6	280.5	+15.0
18		90 54.8	N18 01.2	291.2	+05.5
19		105 54.8	N18 01.8	302.4	-03.6
20		120 54.8	N18 02.5	314.4	-11.4
21		135 54.8	N18 03.1	327.6	-17.7
22		150 54.8	N18 03.7	342.1	-22.0
23		165 54.9	N18 04.4	357.5	-23.7
00	2026-05-12	180 54.9	N18 05.0	012.9	-22.8
01		195 54.9	N18 05.6	027.8	-19.3
02		210 54.9	N18 06.3	041.4	-13.6
03		225 54.9	N18 06.9	053.8	-06.2
04		240 54.9	N18 07.5	065.2	+02.7
05		255 54.9	N18 08.2	075.9	+11.9
06		270 54.9	N18 08.8	086.7	+21.7
07		285 54.9	N18 09.4	098.1	+31.7
08		300 55.0	N18 10.1	111.2	+41.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		315 55.0	N18 10.7	127.4	+50.1
10		330 55.0	N18 11.3	148.6	+56.8
11		345 55.0	N18 11.9	175.3	+60.0
12		0 55.0	N18 12.6	203.2	+58.4
13		15 55.0	N18 13.2	226.4	+52.6
14		30 55.0	N18 13.8	244.0	+44.4
15		45 55.0	N18 14.4	258.0	+35.0
16		60 55.0	N18 15.1	269.8	+25.1
17		75 55.0	N18 15.7	280.7	+15.2
18		90 55.0	N18 16.3	291.4	+05.7
19		105 55.0	N18 16.9	302.5	-03.4
20		120 55.0	N18 17.5	314.5	-11.2
21		135 55.1	N18 18.2	327.7	-17.5
22		150 55.1	N18 18.8	342.2	-21.7
23		165 55.1	N18 19.4	357.5	-23.5
00	2026-05-13	180 55.1	N18 20.0	012.9	-22.6
01		195 55.1	N18 20.6	027.7	-19.1
02		210 55.1	N18 21.3	041.3	-13.4
03		225 55.1	N18 21.9	053.6	-06.0
04		240 55.1	N18 22.5	065.0	+02.8
05		255 55.1	N18 23.1	075.8	+12.1
06		270 55.1	N18 23.7	086.5	+21.9
07		285 55.1	N18 24.4	097.9	+31.9
08		300 55.1	N18 25.0	110.9	+41.6
09		315 55.1	N18 25.6	127.2	+50.3
10		330 55.1	N18 26.2	148.5	+57.1
11		345 55.1	N18 26.8	175.3	+60.2
12		0 55.1	N18 27.4	203.3	+58.6
13		15 55.1	N18 28.0	226.6	+52.8
14		30 55.1	N18 28.6	244.3	+44.6
15		45 55.1	N18 29.3	258.2	+35.2
16		60 55.1	N18 29.9	270.0	+25.2
17		75 55.1	N18 30.5	280.8	+15.3
18		90 55.1	N18 31.1	291.5	+05.8
19		105 55.1	N18 31.7	302.7	-03.2
20		120 55.1	N18 32.3	314.6	-11.0
21		135 55.1	N18 32.9	327.8	-17.2
22		150 55.1	N18 33.5	342.2	-21.5
23		165 55.1	N18 34.1	357.5	-23.2
00	2026-05-14	180 55.1	N18 34.7	012.9	-22.3
01		195 55.1	N18 35.3	027.6	-18.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		210 55.1	N18 35.9	041.2	-13.2
03		225 55.1	N18 36.6	053.5	-05.8
04		240 55.1	N18 37.2	064.8	+03.0
05		255 55.1	N18 37.8	075.6	+12.3
06		270 55.1	N18 38.4	086.3	+22.1
07		285 55.1	N18 39.0	097.7	+32.1
08		300 55.1	N18 39.6	110.7	+41.8
09		315 55.1	N18 40.2	126.9	+50.5
10		330 55.1	N18 40.8	148.3	+57.3
11		345 55.1	N18 41.4	175.3	+60.5
12		0 55.1	N18 42.0	203.4	+58.8
13		15 55.1	N18 42.6	226.8	+53.0
14		30 55.1	N18 43.2	244.5	+44.8
15		45 55.1	N18 43.8	258.4	+35.3
16		60 55.1	N18 44.4	270.2	+25.4
17		75 55.1	N18 45.0	281.0	+15.5
18		90 55.1	N18 45.6	291.7	+06.0
19		105 55.1	N18 46.2	302.8	-03.0
20		120 55.1	N18 46.8	314.8	-10.8
21		135 55.1	N18 47.3	327.9	-17.0
22		150 55.1	N18 47.9	342.3	-21.2
23		165 55.1	N18 48.5	357.5	-23.0
00	2026-05-15	180 55.1	N18 49.1	012.8	-22.1
01		195 55.0	N18 49.7	027.5	-18.6
02		210 55.0	N18 50.3	041.1	-13.0
03		225 55.0	N18 50.9	053.4	-05.6
04		240 55.0	N18 51.5	064.7	+03.2
05		255 55.0	N18 52.1	075.4	+12.4
06		270 55.0	N18 52.7	086.1	+22.3
07		285 55.0	N18 53.3	097.5	+32.2
08		300 55.0	N18 53.9	110.5	+41.9
09		315 55.0	N18 54.4	126.7	+50.7
10		330 55.0	N18 55.0	148.1	+57.5
11		345 55.0	N18 55.6	175.3	+60.7
12		0 55.0	N18 56.2	203.6	+59.0
13		15 54.9	N18 56.8	227.0	+53.3
14		30 54.9	N18 57.4	244.7	+45.0
15		45 54.9	N18 58.0	258.6	+35.5
16		60 54.9	N18 58.6	270.4	+25.6
17		75 54.9	N18 59.1	281.2	+15.7
18		90 54.9	N18 59.7	291.9	+06.2
19		105 54.9	N19 00.3	302.9	-02.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		120 54.9	N19 00.9	314.9	-10.6
21		135 54.9	N19 01.5	328.0	-16.8
22		150 54.8	N19 02.0	342.3	-21.0
23		165 54.8	N19 02.6	357.5	-22.7
00	2026-05-16	180 54.8	N19 03.2	012.8	-21.8
01		195 54.8	N19 03.8	027.4	-18.4
02		210 54.8	N19 04.4	040.9	-12.8
03		225 54.8	N19 04.9	053.2	-05.4
04		240 54.8	N19 05.5	064.5	+03.4
05		255 54.8	N19 06.1	075.3	+12.6
06		270 54.7	N19 06.7	085.9	+22.4
07		285 54.7	N19 07.3	097.3	+32.4
08		300 54.7	N19 07.8	110.3	+42.1
09		315 54.7	N19 08.4	126.5	+50.9
10		330 54.7	N19 09.0	148.0	+57.7
11		345 54.7	N19 09.6	175.2	+60.9
12		0 54.7	N19 10.1	203.7	+59.3
13		15 54.6	N19 10.7	227.2	+53.5
14		30 54.6	N19 11.3	244.9	+45.2
15		45 54.6	N19 11.8	258.8	+35.7
16		60 54.6	N19 12.4	270.5	+25.8
17		75 54.6	N19 13.0	281.3	+15.9
18		90 54.6	N19 13.6	292.0	+06.4
19		105 54.5	N19 14.1	303.1	-02.6
20		120 54.5	N19 14.7	315.0	-10.4
21		135 54.5	N19 15.3	328.1	-16.6
22		150 54.5	N19 15.8	342.4	-20.8
23		165 54.5	N19 16.4	357.5	-22.5
00	2026-05-17	180 54.4	N19 17.0	012.7	-21.6
01		195 54.4	N19 17.5	027.3	-18.2
02		210 54.4	N19 18.1	040.8	-12.6
03		225 54.4	N19 18.7	053.1	-05.2
04		240 54.4	N19 19.2	064.4	+03.5
05		255 54.4	N19 19.8	075.1	+12.8
06		270 54.3	N19 20.3	085.8	+22.6
07		285 54.3	N19 20.9	097.1	+32.6
08		300 54.3	N19 21.5	110.1	+42.3
09		315 54.3	N19 22.0	126.3	+51.1
10		330 54.3	N19 22.6	147.8	+57.9
11		345 54.2	N19 23.2	175.2	+61.2
12		0 54.2	N19 23.7	203.8	+59.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		15 54.2	N19 24.3	227.4	+53.7
14		30 54.2	N19 24.8	245.1	+45.3
15		45 54.1	N19 25.4	258.9	+35.9
16		60 54.1	N19 25.9	270.7	+25.9
17		75 54.1	N19 26.5	281.5	+16.0
18		90 54.1	N19 27.1	292.1	+06.5
19		105 54.1	N19 27.6	303.2	-02.4
20		120 54.0	N19 28.2	315.1	-10.2
21		135 54.0	N19 28.7	328.2	-16.4
22		150 54.0	N19 29.3	342.4	-20.6
23		165 54.0	N19 29.8	357.5	-22.3
00	2026-05-18	180 53.9	N19 30.4	012.7	-21.4
01		195 53.9	N19 30.9	027.3	-18.0
02		210 53.9	N19 31.5	040.7	-12.4
03		225 53.9	N19 32.0	053.0	-05.1
04		240 53.8	N19 32.6	064.2	+03.7
05		255 53.8	N19 33.1	074.9	+12.9
06		270 53.8	N19 33.7	085.6	+22.7
07		285 53.8	N19 34.2	096.9	+32.7
08		300 53.7	N19 34.8	109.9	+42.4
09		315 53.7	N19 35.3	126.1	+51.3
10		330 53.7	N19 35.9	147.6	+58.1
11		345 53.7	N19 36.4	175.1	+61.4
12		0 53.6	N19 37.0	203.9	+59.7
13		15 53.6	N19 37.5	227.5	+53.8
14		30 53.6	N19 38.1	245.3	+45.5
15		45 53.5	N19 38.6	259.1	+36.0
16		60 53.5	N19 39.2	270.9	+26.1
17		75 53.5	N19 39.7	281.7	+16.2
18		90 53.5	N19 40.2	292.3	+06.7
19		105 53.4	N19 40.8	303.3	-02.3
20		120 53.4	N19 41.3	315.2	-10.0
21		135 53.4	N19 41.9	328.2	-16.2
22		150 53.3	N19 42.4	342.5	-20.3
23		165 53.3	N19 42.9	357.5	-22.1
00	2026-05-19	180 53.3	N19 43.5	012.6	-21.2
01		195 53.3	N19 44.0	027.2	-17.8
02		210 53.2	N19 44.6	040.6	-12.2
03		225 53.2	N19 45.1	052.8	-04.9
04		240 53.2	N19 45.6	064.1	+03.8
05		255 53.1	N19 46.2	074.8	+13.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		270 53.1	N19 46.7	085.4	+22.9
07		285 53.1	N19 47.2	096.7	+32.9
08		300 53.0	N19 47.8	109.7	+42.6
09		315 53.0	N19 48.3	125.9	+51.4
10		330 53.0	N19 48.8	147.4	+58.3
11		345 52.9	N19 49.4	175.1	+61.6
12		0 52.9	N19 49.9	204.0	+59.9
13		15 52.9	N19 50.4	227.7	+54.0
14		30 52.8	N19 51.0	245.5	+45.7
15		45 52.8	N19 51.5	259.3	+36.2
16		60 52.8	N19 52.0	271.0	+26.2
17		75 52.7	N19 52.6	281.8	+16.3
18		90 52.7	N19 53.1	292.4	+06.9
19		105 52.7	N19 53.6	303.4	-02.1
20		120 52.6	N19 54.1	315.3	-09.8
21		135 52.6	N19 54.7	328.3	-16.0
22		150 52.6	N19 55.2	342.5	-20.1
23		165 52.5	N19 55.7	357.5	-21.9
00	2026-05-20	180 52.5	N19 56.2	012.6	-21.0
01		195 52.5	N19 56.8	027.1	-17.6
02		210 52.4	N19 57.3	040.5	-12.0
03		225 52.4	N19 57.8	052.7	-04.7
04		240 52.4	N19 58.3	063.9	+04.0
05		255 52.3	N19 58.9	074.6	+13.2
06		270 52.3	N19 59.4	085.2	+23.0
07		285 52.3	N19 59.9	096.5	+33.0
08		300 52.2	N20 00.4	109.5	+42.7
09		315 52.2	N20 00.9	125.7	+51.6
10		330 52.1	N20 01.5	147.3	+58.5
11		345 52.1	N20 02.0	175.0	+61.8
12		0 52.1	N20 02.5	204.1	+60.1
13		15 52.0	N20 03.0	227.9	+54.2
14		30 52.0	N20 03.5	245.6	+45.9
15		45 51.9	N20 04.0	259.5	+36.3
16		60 51.9	N20 04.6	271.2	+26.4
17		75 51.9	N20 05.1	281.9	+16.5
18		90 51.8	N20 05.6	292.5	+07.0
19		105 51.8	N20 06.1	303.5	-01.9
20		120 51.8	N20 06.6	315.4	-09.6
21		135 51.7	N20 07.1	328.4	-15.8
22		150 51.7	N20 07.6	342.5	-19.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		165 51.6	N20 08.1	357.5	-21.7
00	2026-05-21	180 51.6	N20 08.7	012.5	-20.8
01		195 51.6	N20 09.2	027.0	-17.4
02		210 51.5	N20 09.7	040.4	-11.8
03		225 51.5	N20 10.2	052.6	-04.6
04		240 51.4	N20 10.7	063.8	+04.1
05		255 51.4	N20 11.2	074.5	+13.3
06		270 51.3	N20 11.7	085.1	+23.2
07		285 51.3	N20 12.2	096.3	+33.1
08		300 51.3	N20 12.7	109.3	+42.9
09		315 51.2	N20 13.2	125.5	+51.8
10		330 51.2	N20 13.7	147.1	+58.7
11		345 51.1	N20 14.2	175.0	+62.0
12		0 51.1	N20 14.7	204.2	+60.3
13		15 51.0	N20 15.2	228.0	+54.4
14		30 51.0	N20 15.7	245.8	+46.0
15		45 51.0	N20 16.2	259.6	+36.5
16		60 50.9	N20 16.7	271.3	+26.6
17		75 50.9	N20 17.2	282.1	+16.7
18		90 50.8	N20 17.7	292.7	+07.2
19		105 50.8	N20 18.2	303.7	-01.7
20		120 50.7	N20 18.7	315.5	-09.4
21		135 50.7	N20 19.2	328.4	-15.6
22		150 50.6	N20 19.7	342.5	-19.7
23		165 50.6	N20 20.2	357.5	-21.5
00	2026-05-22	180 50.5	N20 20.7	012.5	-20.6
01		195 50.5	N20 21.2	026.9	-17.2
02		210 50.5	N20 21.7	040.3	-11.6
03		225 50.4	N20 22.2	052.4	-04.4
04		240 50.4	N20 22.7	063.7	+04.3
05		255 50.3	N20 23.2	074.3	+13.5
06		270 50.3	N20 23.7	084.9	+23.3
07		285 50.2	N20 24.2	096.2	+33.3
08		300 50.2	N20 24.7	109.1	+43.0
09		315 50.1	N20 25.2	125.2	+51.9
10		330 50.1	N20 25.6	146.9	+58.9
11		345 50.0	N20 26.1	174.9	+62.2
12		0 50.0	N20 26.6	204.3	+60.5
13		15 49.9	N20 27.1	228.2	+54.6
14		30 49.9	N20 27.6	246.0	+46.2
15		45 49.8	N20 28.1	259.8	+36.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		60 49.8	N20 28.6	271.5	+26.7
17		75 49.7	N20 29.1	282.2	+16.8
18		90 49.7	N20 29.5	292.8	+07.4
19		105 49.6	N20 30.0	303.8	-01.6
20		120 49.6	N20 30.5	315.6	-09.2
21		135 49.5	N20 31.0	328.5	-15.4
22		150 49.5	N20 31.5	342.6	-19.5
23		165 49.4	N20 32.0	357.4	-21.3
00	2026-05-23	180 49.4	N20 32.4	012.4	-20.4
01		195 49.3	N20 32.9	026.8	-17.0
02		210 49.3	N20 33.4	040.2	-11.5
03		225 49.2	N20 33.9	052.3	-04.3
04		240 49.2	N20 34.4	063.5	+04.4
05		255 49.1	N20 34.8	074.2	+13.6
06		270 49.1	N20 35.3	084.7	+23.4
07		285 49.0	N20 35.8	096.0	+33.4
08		300 49.0	N20 36.3	108.9	+43.1
09		315 48.9	N20 36.7	125.0	+52.1
10		330 48.9	N20 37.2	146.7	+59.0
11		345 48.8	N20 37.7	174.8	+62.4
12		0 48.7	N20 38.2	204.3	+60.7
13		15 48.7	N20 38.6	228.3	+54.7
14		30 48.6	N20 39.1	246.1	+46.3
15		45 48.6	N20 39.6	259.9	+36.8
16		60 48.5	N20 40.1	271.6	+26.9
17		75 48.5	N20 40.5	282.3	+17.0
18		90 48.4	N20 41.0	292.9	+07.5
19		105 48.4	N20 41.5	303.9	-01.4
20		120 48.3	N20 41.9	315.6	-09.1
21		135 48.3	N20 42.4	328.6	-15.2
22		150 48.2	N20 42.9	342.6	-19.3
23		165 48.1	N20 43.3	357.4	-21.1
00	2026-05-24	180 48.1	N20 43.8	012.4	-20.2
01		195 48.0	N20 44.3	026.8	-16.8
02		210 48.0	N20 44.7	040.1	-11.3
03		225 47.9	N20 45.2	052.2	-04.1
04		240 47.9	N20 45.7	063.4	+04.5
05		255 47.8	N20 46.1	074.0	+13.7
06		270 47.7	N20 46.6	084.6	+23.5
07		285 47.7	N20 47.1	095.8	+33.5
08		300 47.6	N20 47.5	108.7	+43.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		315 47.6	N20 48.0	124.8	+52.2
10		330 47.5	N20 48.4	146.5	+59.2
11		345 47.4	N20 48.9	174.8	+62.6
12		0 47.4	N20 49.4	204.4	+60.9
13		15 47.3	N20 49.8	228.5	+54.9
14		30 47.3	N20 50.3	246.3	+46.5
15		45 47.2	N20 50.7	260.1	+36.9
16		60 47.2	N20 51.2	271.7	+27.0
17		75 47.1	N20 51.6	282.5	+17.1
18		90 47.0	N20 52.1	293.0	+07.7
19		105 47.0	N20 52.5	303.9	-01.2
20		120 46.9	N20 53.0	315.7	-08.9
21		135 46.9	N20 53.5	328.6	-15.0
22		150 46.8	N20 53.9	342.6	-19.2
23		165 46.7	N20 54.4	357.4	-20.9
00	2026-05-25	180 46.7	N20 54.8	012.3	-20.0
01		195 46.6	N20 55.3	026.7	-16.7
02		210 46.5	N20 55.7	039.9	-11.2
03		225 46.5	N20 56.2	052.1	-04.0
04		240 46.4	N20 56.6	063.3	+04.7
05		255 46.4	N20 57.1	073.9	+13.8
06		270 46.3	N20 57.5	084.4	+23.6
07		285 46.2	N20 58.0	095.6	+33.6
08		300 46.2	N20 58.4	108.5	+43.4
09		315 46.1	N20 58.8	124.6	+52.3
10		330 46.0	N20 59.3	146.4	+59.4
11		345 46.0	N20 59.7	174.7	+62.7
12		0 45.9	N21 00.2	204.5	+61.1
13		15 45.9	N21 00.6	228.6	+55.1
14		30 45.8	N21 01.1	246.4	+46.6
15		45 45.7	N21 01.5	260.2	+37.1
16		60 45.7	N21 01.9	271.9	+27.1
17		75 45.6	N21 02.4	282.6	+17.3
18		90 45.5	N21 02.8	293.1	+07.8
19		105 45.5	N21 03.3	304.0	-01.1
20		120 45.4	N21 03.7	315.8	-08.7
21		135 45.3	N21 04.1	328.7	-14.9
22		150 45.3	N21 04.6	342.6	-19.0
23		165 45.2	N21 05.0	357.4	-20.7
00	2026-05-26	180 45.1	N21 05.5	012.3	-19.9
01		195 45.1	N21 05.9	026.6	-16.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		210 45.0	N21 06.3	039.8	-11.0
03		225 44.9	N21 06.8	052.0	-03.8
04		240 44.9	N21 07.2	063.1	+04.8
05		255 44.8	N21 07.6	073.7	+14.0
06		270 44.7	N21 08.1	084.3	+23.7
07		285 44.7	N21 08.5	095.5	+33.7
08		300 44.6	N21 08.9	108.3	+43.5
09		315 44.5	N21 09.4	124.4	+52.5
10		330 44.5	N21 09.8	146.2	+59.5
11		345 44.4	N21 10.2	174.6	+62.9
12		0 44.3	N21 10.6	204.5	+61.2
13		15 44.3	N21 11.1	228.7	+55.2
14		30 44.2	N21 11.5	246.6	+46.8
15		45 44.1	N21 11.9	260.4	+37.2
16		60 44.0	N21 12.4	272.0	+27.3
17		75 44.0	N21 12.8	282.7	+17.4
18		90 43.9	N21 13.2	293.2	+08.0
19		105 43.8	N21 13.6	304.1	-00.3
20		120 43.8	N21 14.0	315.9	-08.6
21		135 43.7	N21 14.5	328.7	-14.7
22		150 43.6	N21 14.9	342.6	-18.8
23		165 43.6	N21 15.3	357.4	-20.5
00	2026-05-27	180 43.5	N21 15.7	012.2	-19.7
01		195 43.4	N21 16.2	026.5	-16.4
02		210 43.3	N21 16.6	039.7	-10.9
03		225 43.3	N21 17.0	051.8	-03.7
04		240 43.2	N21 17.4	063.0	+04.9
05		255 43.1	N21 17.8	073.6	+14.1
06		270 43.1	N21 18.2	084.1	+23.8
07		285 43.0	N21 18.7	095.3	+33.8
08		300 42.9	N21 19.1	108.1	+43.6
09		315 42.8	N21 19.5	124.2	+52.6
10		330 42.8	N21 19.9	146.0	+59.7
11		345 42.7	N21 20.3	174.5	+63.1
12		0 42.6	N21 20.7	204.6	+61.4
13		15 42.5	N21 21.2	228.9	+55.4
14		30 42.5	N21 21.6	246.7	+46.9
15		45 42.4	N21 22.0	260.5	+37.4
16		60 42.3	N21 22.4	272.1	+27.4
17		75 42.2	N21 22.8	282.8	+17.5
18		90 42.2	N21 23.2	293.3	+08.1
19		105 42.1	N21 23.6	304.2	-00.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		120 42.0	N21 24.0	315.9	-08.4
21		135 41.9	N21 24.4	328.7	-14.5
22		150 41.9	N21 24.8	342.7	-18.6
23		165 41.8	N21 25.2	357.4	-20.4
00	2026-05-28	180 41.7	N21 25.6	012.2	-19.5
01		195 41.6	N21 26.1	026.4	-16.2
02		210 41.6	N21 26.5	039.6	-10.8
03		225 41.5	N21 26.9	051.7	-03.6
04		240 41.4	N21 27.3	062.9	+05.0
05		255 41.3	N21 27.7	073.4	+14.2
06		270 41.3	N21 28.1	084.0	+23.9
07		285 41.2	N21 28.5	095.1	+33.9
08		300 41.1	N21 28.9	107.9	+43.7
09		315 41.0	N21 29.3	124.0	+52.7
10		330 40.9	N21 29.7	145.8	+59.8
11		345 40.9	N21 30.1	174.4	+63.2
12		0 40.8	N21 30.5	204.6	+61.6
13		15 40.7	N21 30.9	229.0	+55.6
14		30 40.6	N21 31.3	246.8	+47.1
15		45 40.6	N21 31.7	260.6	+37.5
16		60 40.5	N21 32.1	272.2	+27.5
17		75 40.4	N21 32.4	282.9	+17.7
18		90 40.3	N21 32.8	293.4	+08.2
19		105 40.2	N21 33.2	304.3	-00.0
20		120 40.2	N21 33.6	316.0	-08.3
21		135 40.1	N21 34.0	328.8	-14.4
22		150 40.0	N21 34.4	342.7	-18.5
23		165 39.9	N21 34.8	357.3	-20.2
00	2026-05-29	180 39.8	N21 35.2	012.1	-19.4
01		195 39.8	N21 35.6	026.3	-16.1
02		210 39.7	N21 36.0	039.5	-10.6
03		225 39.6	N21 36.4	051.6	-03.5
04		240 39.5	N21 36.7	062.7	+05.1
05		255 39.4	N21 37.1	073.3	+14.3
06		270 39.3	N21 37.5	083.8	+24.0
07		285 39.3	N21 37.9	095.0	+34.0
08		300 39.2	N21 38.3	107.8	+43.8
09		315 39.1	N21 38.7	123.8	+52.8
10		330 39.0	N21 39.1	145.6	+59.9
11		345 38.9	N21 39.4	174.4	+63.4
12		0 38.9	N21 39.8	204.7	+61.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		15 38.8	N21 40.2	229.1	+55.7
14		30 38.7	N21 40.6	247.0	+47.2
15		45 38.6	N21 41.0	260.7	+37.6
16		60 38.5	N21 41.3	272.3	+27.7
17		75 38.4	N21 41.7	283.0	+17.8
18		90 38.4	N21 42.1	293.4	+08.4
19		105 38.3	N21 42.5	304.3	+00.1
20		120 38.2	N21 42.9	316.0	-08.1
21		135 38.1	N21 43.2	328.8	-14.2
22		150 38.0	N21 43.6	342.7	-18.3
23		165 37.9	N21 44.0	357.3	-20.1
00	2026-05-30	180 37.8	N21 44.4	012.1	-19.2
01		195 37.8	N21 44.7	026.3	-15.9
02		210 37.7	N21 45.1	039.4	-10.5
03		225 37.6	N21 45.5	051.5	-03.4
04		240 37.5	N21 45.9	062.6	+05.2
05		255 37.4	N21 46.2	073.2	+14.3
06		270 37.3	N21 46.6	083.7	+24.1
07		285 37.2	N21 47.0	094.8	+34.1
08		300 37.2	N21 47.3	107.6	+43.9
09		315 37.1	N21 47.7	123.6	+52.9
10		330 37.0	N21 48.1	145.5	+60.1
11		345 36.9	N21 48.4	174.3	+63.5
12		0 36.8	N21 48.8	204.7	+61.9
13		15 36.7	N21 49.2	229.2	+55.8
14		30 36.6	N21 49.5	247.1	+47.3
15		45 36.6	N21 49.9	260.8	+37.8
16		60 36.5	N21 50.3	272.4	+27.8
17		75 36.4	N21 50.6	283.0	+17.9
18		90 36.3	N21 51.0	293.5	+08.5
19		105 36.2	N21 51.4	304.4	+00.2
20		120 36.1	N21 51.7	316.1	-08.0
21		135 36.0	N21 52.1	328.8	-14.1
22		150 35.9	N21 52.4	342.7	-18.2
23		165 35.8	N21 52.8	357.3	-19.9
00	2026-05-31	180 35.8	N21 53.2	012.0	-19.1
01		195 35.7	N21 53.5	026.2	-15.8
02		210 35.6	N21 53.9	039.3	-10.4
03		225 35.5	N21 54.2	051.4	-03.3
04		240 35.4	N21 54.6	062.5	+05.3
05		255 35.3	N21 54.9	073.1	+14.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		270 35.2	N21 55.3	083.5	+24.2
07		285 35.1	N21 55.6	094.7	+34.2
08		300 35.0	N21 56.0	107.4	+44.0
09		315 34.9	N21 56.3	123.5	+53.0
10		330 34.9	N21 56.7	145.3	+60.2
11		345 34.8	N21 57.1	174.2	+63.7
12		0 34.7	N21 57.4	204.7	+62.0
13		15 34.6	N21 57.8	229.3	+56.0
14		30 34.5	N21 58.1	247.2	+47.5
15		45 34.4	N21 58.5	260.9	+37.9
16		60 34.3	N21 58.8	272.5	+27.9
17		75 34.2	N21 59.1	283.1	+18.1
18		90 34.1	N21 59.5	293.6	+08.6
19		105 34.0	N21 59.8	304.4	+00.3
20		120 33.9	N22 00.2	316.1	-07.8
21		135 33.8	N22 00.5	328.8	-13.9
22		150 33.7	N22 00.9	342.7	-18.0
23		165 33.6	N22 01.2	357.2	-19.8
00	2026-06-01	180 33.6	N22 01.6	011.9	-19.0
01		195 33.5	N22 01.9	026.1	-15.7
02		210 33.4	N22 02.2	039.2	-10.3
03		225 33.3	N22 02.6	051.3	-03.2
04		240 33.2	N22 02.9	062.4	+05.4
05		255 33.1	N22 03.3	072.9	+14.5
06		270 33.0	N22 03.6	083.4	+24.3
07		285 32.9	N22 03.9	094.5	+34.2
08		300 32.8	N22 04.3	107.2	+44.0
09		315 32.7	N22 04.6	123.3	+53.1
10		330 32.6	N22 05.0	145.1	+60.3
11		345 32.5	N22 05.3	174.1	+63.8
12		0 32.4	N22 05.6	204.7	+62.2
13		15 32.3	N22 06.0	229.3	+56.1
14		30 32.2	N22 06.3	247.3	+47.6
15		45 32.1	N22 06.6	261.0	+38.0
16		60 32.0	N22 07.0	272.6	+28.0
17		75 31.9	N22 07.3	283.2	+18.2
18		90 31.8	N22 07.6	293.7	+08.8
19		105 31.7	N22 07.9	304.5	+00.4
20		120 31.6	N22 08.3	316.1	-07.7
21		135 31.5	N22 08.6	328.9	-13.8
22		150 31.5	N22 08.9	342.7	-17.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		165 31.4	N22 09.3	357.2	-19.6
00	2026-06-02	180 31.3	N22 09.6	011.9	-18.8
01		195 31.2	N22 09.9	026.0	-15.6
02		210 31.1	N22 10.2	039.2	-10.2
03		225 31.0	N22 10.6	051.2	-03.1
04		240 30.9	N22 10.9	062.3	+05.4
05		255 30.8	N22 11.2	072.8	+14.6
06		270 30.7	N22 11.5	083.3	+24.3
07		285 30.6	N22 11.9	094.4	+34.3
08		300 30.5	N22 12.2	107.1	+44.1
09		315 30.4	N22 12.5	123.1	+53.2
10		330 30.3	N22 12.8	144.9	+60.4
11		345 30.2	N22 13.1	174.0	+64.0
12		0 30.1	N22 13.5	204.8	+62.3
13		15 30.0	N22 13.8	229.4	+56.2
14		30 29.9	N22 14.1	247.3	+47.7
15		45 29.8	N22 14.4	261.1	+38.1
16		60 29.7	N22 14.7	272.7	+28.2
17		75 29.6	N22 15.0	283.3	+18.3
18		90 29.5	N22 15.4	293.7	+08.9
19		105 29.4	N22 15.7	304.5	+00.5
20		120 29.3	N22 16.0	316.2	-07.6
21		135 29.2	N22 16.3	328.9	-13.6
22		150 29.1	N22 16.6	342.6	-17.7
23		165 29.0	N22 16.9	357.2	-19.5
00	2026-06-03	180 28.9	N22 17.2	011.8	-18.7
01		195 28.8	N22 17.5	025.9	-15.5
02		210 28.7	N22 17.9	039.1	-10.1
03		225 28.6	N22 18.2	051.1	-03.0
04		240 28.5	N22 18.5	062.2	+05.5
05		255 28.4	N22 18.8	072.7	+14.6
06		270 28.2	N22 19.1	083.1	+24.4
07		285 28.1	N22 19.4	094.2	+34.4
08		300 28.0	N22 19.7	106.9	+44.2
09		315 27.9	N22 20.0	122.9	+53.2
10		330 27.8	N22 20.3	144.8	+60.5
11		345 27.7	N22 20.6	173.9	+64.1
12		0 27.6	N22 20.9	204.8	+62.4
13		15 27.5	N22 21.2	229.5	+56.4
14		30 27.4	N22 21.5	247.4	+47.8
15		45 27.3	N22 21.8	261.2	+38.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		60 27.2	N22 22.1	272.7	+28.3
17		75 27.1	N22 22.4	283.3	+18.4
18		90 27.0	N22 22.7	293.8	+09.0
19		105 26.9	N22 23.0	304.6	+00.6
20		120 26.8	N22 23.3	316.2	-07.4
21		135 26.7	N22 23.6	328.9	-13.5
22		150 26.6	N22 23.9	342.6	-17.6
23		165 26.5	N22 24.2	357.1	-19.4
00	2026-06-04	180 26.4	N22 24.5	011.8	-18.6
01		195 26.3	N22 24.8	025.9	-15.4
02		210 26.2	N22 25.1	039.0	-10.0
03		225 26.1	N22 25.4	051.0	-02.9
04		240 25.9	N22 25.7	062.1	+05.6
05		255 25.8	N22 25.9	072.6	+14.7
06		270 25.7	N22 26.2	083.0	+24.4
07		285 25.6	N22 26.5	094.1	+34.4
08		300 25.5	N22 26.8	106.8	+44.2
09		315 25.4	N22 27.1	122.8	+53.3
10		330 25.3	N22 27.4	144.6	+60.6
11		345 25.2	N22 27.7	173.7	+64.2
12		0 25.1	N22 28.0	204.7	+62.6
13		15 25.0	N22 28.3	229.5	+56.5
14		30 24.9	N22 28.5	247.5	+48.0
15		45 24.8	N22 28.8	261.2	+38.3
16		60 24.7	N22 29.1	272.8	+28.4
17		75 24.6	N22 29.4	283.4	+18.5
18		90 24.4	N22 29.7	293.8	+09.1
19		105 24.3	N22 30.0	304.6	+00.7
20		120 24.2	N22 30.2	316.2	-07.3
21		135 24.1	N22 30.5	328.9	-13.4
22		150 24.0	N22 30.8	342.6	-17.5
23		165 23.9	N22 31.1	357.1	-19.3
00	2026-06-05	180 23.8	N22 31.3	011.7	-18.5
01		195 23.7	N22 31.6	025.8	-15.3
02		210 23.6	N22 31.9	038.9	-09.9
03		225 23.5	N22 32.2	050.9	-02.8
04		240 23.4	N22 32.5	062.0	+05.6
05		255 23.2	N22 32.7	072.5	+14.8
06		270 23.1	N22 33.0	082.9	+24.5
07		285 23.0	N22 33.3	094.0	+34.5
08		300 22.9	N22 33.5	106.6	+44.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		315 22.8	N22 33.8	122.6	+53.4
10		330 22.7	N22 34.1	144.4	+60.7
11		345 22.6	N22 34.4	173.6	+64.3
12		0 22.5	N22 34.6	204.7	+62.7
13		15 22.4	N22 34.9	229.6	+56.6
14		30 22.2	N22 35.2	247.6	+48.1
15		45 22.1	N22 35.4	261.3	+38.4
16		60 22.0	N22 35.7	272.8	+28.5
17		75 21.9	N22 36.0	283.4	+18.6
18		90 21.8	N22 36.2	293.9	+09.2
19		105 21.7	N22 36.5	304.7	+00.8
20		120 21.6	N22 36.8	316.2	-07.2
21		135 21.5	N22 37.0	328.9	-13.3
22		150 21.4	N22 37.3	342.6	-17.4
23		165 21.2	N22 37.6	357.1	-19.2
00	2026-06-06	180 21.1	N22 37.8	011.7	-18.4
01		195 21.0	N22 38.1	025.7	-15.2
02		210 20.9	N22 38.3	038.8	-09.8
03		225 20.8	N22 38.6	050.8	-02.8
04		240 20.7	N22 38.9	061.9	+05.7
05		255 20.6	N22 39.1	072.4	+14.8
06		270 20.4	N22 39.4	082.8	+24.5
07		285 20.3	N22 39.6	093.8	+34.5
08		300 20.2	N22 39.9	106.5	+44.3
09		315 20.1	N22 40.1	122.4	+53.4
10		330 20.0	N22 40.4	144.2	+60.7
11		345 19.9	N22 40.7	173.5	+64.4
12		0 19.8	N22 40.9	204.7	+62.8
13		15 19.7	N22 41.2	229.6	+56.7
14		30 19.5	N22 41.4	247.6	+48.2
15		45 19.4	N22 41.7	261.4	+38.6
16		60 19.3	N22 41.9	272.9	+28.6
17		75 19.2	N22 42.2	283.5	+18.7
18		90 19.1	N22 42.4	293.9	+09.3
19		105 19.0	N22 42.7	304.7	+00.9
20		120 18.8	N22 42.9	316.3	-07.1
21		135 18.7	N22 43.2	328.9	-13.2
22		150 18.6	N22 43.4	342.6	-17.3
23		165 18.5	N22 43.6	357.0	-19.0
00	2026-06-07	180 18.4	N22 43.9	011.6	-18.3
01		195 18.3	N22 44.1	025.6	-15.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		210 18.1	N22 44.4	038.7	-09.8
03		225 18.0	N22 44.6	050.7	-02.7
04		240 17.9	N22 44.9	061.8	+05.7
05		255 17.8	N22 45.1	072.3	+14.8
06		270 17.7	N22 45.3	082.7	+24.6
07		285 17.6	N22 45.6	093.7	+34.5
08		300 17.4	N22 45.8	106.3	+44.4
09		315 17.3	N22 46.1	122.3	+53.5
10		330 17.2	N22 46.3	144.1	+60.8
11		345 17.1	N22 46.5	173.4	+64.5
12		0 17.0	N22 46.8	204.7	+62.9
13		15 16.9	N22 47.0	229.7	+56.8
14		30 16.7	N22 47.2	247.7	+48.3
15		45 16.6	N22 47.5	261.4	+38.6
16		60 16.5	N22 47.7	272.9	+28.7
17		75 16.4	N22 48.0	283.5	+18.8
18		90 16.3	N22 48.2	293.9	+09.4
19		105 16.2	N22 48.4	304.7	+01.0
20		120 16.0	N22 48.6	316.3	-07.0
21		135 15.9	N22 48.9	328.9	-13.1
22		150 15.8	N22 49.1	342.6	-17.2
23		165 15.7	N22 49.3	357.0	-19.0
00	2026-06-08	180 15.6	N22 49.6	011.5	-18.2
01		195 15.4	N22 49.8	025.6	-15.0
02		210 15.3	N22 50.0	038.6	-09.7
03		225 15.2	N22 50.2	050.6	-02.7
04		240 15.1	N22 50.5	061.7	+05.8
05		255 15.0	N22 50.7	072.2	+14.9
06		270 14.8	N22 50.9	082.6	+24.6
07		285 14.7	N22 51.1	093.6	+34.6
08		300 14.6	N22 51.4	106.2	+44.4
09		315 14.5	N22 51.6	122.1	+53.5
10		330 14.4	N22 51.8	143.9	+60.9
11		345 14.2	N22 52.0	173.3	+64.6
12		0 14.1	N22 52.3	204.7	+63.0
13		15 14.0	N22 52.5	229.7	+56.9
14		30 13.9	N22 52.7	247.7	+48.4
15		45 13.8	N22 52.9	261.5	+38.7
16		60 13.6	N22 53.1	273.0	+28.8
17		75 13.5	N22 53.3	283.6	+18.9
18		90 13.4	N22 53.6	294.0	+09.5
19		105 13.3	N22 53.8	304.7	+01.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		120 13.1	N22 54.0	316.3	-06.9
21		135 13.0	N22 54.2	328.9	-13.0
22		150 12.9	N22 54.4	342.5	-17.1
23		165 12.8	N22 54.6	356.9	-18.9
00	2026-06-09	180 12.7	N22 54.8	011.5	-18.1
01		195 12.5	N22 55.0	025.5	-14.9
02		210 12.4	N22 55.3	038.6	-09.6
03		225 12.3	N22 55.5	050.5	-02.6
04		240 12.2	N22 55.7	061.6	+05.8
05		255 12.0	N22 55.9	072.1	+14.9
06		270 11.9	N22 56.1	082.5	+24.6
07		285 11.8	N22 56.3	093.5	+34.6
08		300 11.7	N22 56.5	106.1	+44.4
09		315 11.6	N22 56.7	122.0	+53.6
10		330 11.4	N22 56.9	143.8	+60.9
11		345 11.3	N22 57.1	173.2	+64.7
12		0 11.2	N22 57.3	204.6	+63.1
13		15 11.1	N22 57.5	229.7	+57.0
14		30 10.9	N22 57.7	247.7	+48.5
15		45 10.8	N22 57.9	261.5	+38.8
16		60 10.7	N22 58.1	273.0	+28.9
17		75 10.6	N22 58.3	283.6	+19.0
18		90 10.4	N22 58.5	294.0	+09.6
19		105 10.3	N22 58.7	304.7	+01.2
20		120 10.2	N22 58.9	316.3	-06.8
21		135 10.1	N22 59.1	328.9	-12.9
22		150 09.9	N22 59.3	342.5	-17.0
23		165 09.8	N22 59.5	356.9	-18.8
00	2026-06-10	180 09.7	N22 59.7	011.4	-18.1
01		195 09.6	N22 59.9	025.4	-14.9
02		210 09.4	N23 00.1	038.5	-09.6
03		225 09.3	N23 00.3	050.4	-02.6
04		240 09.2	N23 00.5	061.5	+05.8
05		255 09.1	N23 00.7	072.0	+14.9
06		270 08.9	N23 00.9	082.4	+24.7
07		285 08.8	N23 01.1	093.4	+34.6
08		300 08.7	N23 01.2	105.9	+44.5
09		315 08.6	N23 01.4	121.8	+53.6
10		330 08.4	N23 01.6	143.6	+61.0
11		345 08.3	N23 01.8	173.0	+64.7
12		0 08.2	N23 02.0	204.6	+63.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		15 08.1	N23 02.2	229.7	+57.1
14		30 07.9	N23 02.4	247.8	+48.5
15		45 07.8	N23 02.5	261.5	+38.9
16		60 07.7	N23 02.7	273.0	+29.0
17		75 07.6	N23 02.9	283.6	+19.1
18		90 07.4	N23 03.1	294.0	+09.7
19		105 07.3	N23 03.3	304.7	+01.3
20		120 07.2	N23 03.5	316.3	-06.7
21		135 07.0	N23 03.6	328.9	-12.8
22		150 06.9	N23 03.8	342.5	-16.9
23		165 06.8	N23 04.0	356.8	-18.7
00	2026-06-11	180 06.7	N23 04.2	011.4	-18.0
01		195 06.5	N23 04.3	025.4	-14.8
02		210 06.4	N23 04.5	038.4	-09.5
03		225 06.3	N23 04.7	050.4	-02.5
04		240 06.2	N23 04.9	061.4	+05.9
05		255 06.0	N23 05.0	071.9	+15.0
06		270 05.9	N23 05.2	082.3	+24.7
07		285 05.8	N23 05.4	093.3	+34.6
08		300 05.6	N23 05.6	105.8	+44.5
09		315 05.5	N23 05.7	121.7	+53.6
10		330 05.4	N23 05.9	143.5	+61.0
11		345 05.3	N23 06.1	172.9	+64.8
12		0 05.1	N23 06.3	204.5	+63.3
13		15 05.0	N23 06.4	229.7	+57.2
14		30 04.9	N23 06.6	247.8	+48.6
15		45 04.7	N23 06.8	261.5	+39.0
16		60 04.6	N23 06.9	273.1	+29.0
17		75 04.5	N23 07.1	283.6	+19.2
18		90 04.4	N23 07.3	294.0	+09.8
19		105 04.2	N23 07.4	304.7	+01.3
20		120 04.1	N23 07.6	316.3	-06.6
21		135 04.0	N23 07.7	328.8	-12.7
22		150 03.8	N23 07.9	342.4	-16.8
23		165 03.7	N23 08.1	356.8	-18.6
00	2026-06-12	180 03.6	N23 08.2	011.3	-17.9
01		195 03.5	N23 08.4	025.3	-14.8
02		210 03.3	N23 08.5	038.3	-09.5
03		225 03.2	N23 08.7	050.3	-02.5
04		240 03.1	N23 08.9	061.3	+05.9
05		255 02.9	N23 09.0	071.8	+15.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		270 02.8	N23 09.2	082.2	+24.7
07		285 02.7	N23 09.3	093.2	+34.7
08		300 02.5	N23 09.5	105.7	+44.5
09		315 02.4	N23 09.6	121.6	+53.7
10		330 02.3	N23 09.8	143.3	+61.1
11		345 02.2	N23 10.0	172.8	+64.9
12		0 02.0	N23 10.1	204.5	+63.3
13		15 01.9	N23 10.3	229.7	+57.3
14		30 01.8	N23 10.4	247.8	+48.7
15		45 01.6	N23 10.6	261.6	+39.1
16		60 01.5	N23 10.7	273.1	+29.1
17		75 01.4	N23 10.9	283.6	+19.3
18		90 01.2	N23 11.0	294.0	+09.8
19		105 01.1	N23 11.2	304.7	+01.4
20		120 01.0	N23 11.3	316.3	-06.5
21		135 00.8	N23 11.4	328.8	-12.6
22		150 00.7	N23 11.6	342.4	-16.8
23		165 00.6	N23 11.7	356.7	-18.6
00	2026-06-13	180 00.4	N23 11.9	011.2	-17.9
01		195 00.3	N23 12.0	025.2	-14.7
02		210 00.2	N23 12.2	038.3	-09.5
03		225 00.1	N23 12.3	050.2	-02.5
04		239 59.9	N23 12.4	061.2	+05.9
05		254 59.8	N23 12.6	071.7	+15.0
06		269 59.7	N23 12.7	082.1	+24.7
07		284 59.5	N23 12.9	093.1	+34.7
08		299 59.4	N23 13.0	105.6	+44.5
09		314 59.3	N23 13.1	121.4	+53.7
10		329 59.1	N23 13.3	143.2	+61.1
11		344 59.0	N23 13.4	172.7	+64.9
12		359 58.9	N23 13.5	204.4	+63.4
13		14 58.7	N23 13.7	229.7	+57.3
14		29 58.6	N23 13.8	247.8	+48.8
15		44 58.5	N23 13.9	261.6	+39.2
16		59 58.3	N23 14.1	273.1	+29.2
17		74 58.2	N23 14.2	283.6	+19.3
18		89 58.1	N23 14.3	294.0	+09.9
19		104 57.9	N23 14.5	304.7	+01.5
20		119 57.8	N23 14.6	316.2	-06.5
21		134 57.7	N23 14.7	328.8	-12.6
22		149 57.5	N23 14.9	342.4	-16.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		164 57.4	N23 15.0	356.7	-18.5
00	2026-06-14	179 57.3	N23 15.1	011.2	-17.8
01		194 57.1	N23 15.2	025.2	-14.7
02		209 57.0	N23 15.4	038.2	-09.4
03		224 56.9	N23 15.5	050.1	-02.5
04		239 56.7	N23 15.6	061.2	+05.9
05		254 56.6	N23 15.7	071.6	+15.0
06		269 56.5	N23 15.9	082.0	+24.7
07		284 56.3	N23 16.0	093.0	+34.7
08		299 56.2	N23 16.1	105.5	+44.5
09		314 56.1	N23 16.2	121.3	+53.7
10		329 55.9	N23 16.3	143.0	+61.1
11		344 55.8	N23 16.5	172.5	+65.0
12		359 55.7	N23 16.6	204.3	+63.5
13		14 55.5	N23 16.7	229.7	+57.4
14		29 55.4	N23 16.8	247.8	+48.9
15		44 55.3	N23 16.9	261.6	+39.2
16		59 55.1	N23 17.0	273.1	+29.3
17		74 55.0	N23 17.2	283.6	+19.4
18		89 54.9	N23 17.3	294.0	+10.0
19		104 54.7	N23 17.4	304.7	+01.5
20		119 54.6	N23 17.5	316.2	-06.4
21		134 54.5	N23 17.6	328.8	-12.5
22		149 54.3	N23 17.7	342.3	-16.6
23		164 54.2	N23 17.8	356.6	-18.5
00	2026-06-15	179 54.1	N23 17.9	011.1	-17.8
01		194 53.9	N23 18.1	025.1	-14.7
02		209 53.8	N23 18.2	038.1	-09.4
03		224 53.6	N23 18.3	050.1	-02.5
04		239 53.5	N23 18.4	061.1	+05.9
05		254 53.4	N23 18.5	071.6	+15.0
06		269 53.2	N23 18.6	082.0	+24.7
07		284 53.1	N23 18.7	092.9	+34.7
08		299 53.0	N23 18.8	105.4	+44.5
09		314 52.8	N23 18.9	121.2	+53.7
10		329 52.7	N23 19.0	142.9	+61.1
11		344 52.6	N23 19.1	172.4	+65.0
12		359 52.4	N23 19.2	204.3	+63.5
13		14 52.3	N23 19.3	229.6	+57.5
14		29 52.2	N23 19.4	247.8	+48.9
15		44 52.0	N23 19.5	261.6	+39.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		59 51.9	N23 19.6	273.1	+29.3
17		74 51.8	N23 19.7	283.6	+19.5
18		89 51.6	N23 19.8	294.0	+10.1
19		104 51.5	N23 19.9	304.7	+01.6
20		119 51.3	N23 20.0	316.2	-06.3
21		134 51.2	N23 20.1	328.7	-12.4
22		149 51.1	N23 20.2	342.3	-16.6
23		164 50.9	N23 20.3	356.6	-18.4
00	2026-06-16	179 50.8	N23 20.4	011.1	-17.8
01		194 50.7	N23 20.5	025.0	-14.6
02		209 50.5	N23 20.5	038.1	-09.4
03		224 50.4	N23 20.6	050.0	-02.5
04		239 50.3	N23 20.7	061.0	+05.9
05		254 50.1	N23 20.8	071.5	+15.0
06		269 50.0	N23 20.9	081.9	+24.7
07		284 49.9	N23 21.0	092.8	+34.6
08		299 49.7	N23 21.1	105.3	+44.5
09		314 49.6	N23 21.2	121.1	+53.7
10		329 49.4	N23 21.2	142.8	+61.2
11		344 49.3	N23 21.3	172.3	+65.0
12		359 49.2	N23 21.4	204.2	+63.6
13		14 49.0	N23 21.5	229.6	+57.5
14		29 48.9	N23 21.6	247.8	+49.0
15		44 48.8	N23 21.7	261.6	+39.4
16		59 48.6	N23 21.7	273.1	+29.4
17		74 48.5	N23 21.8	283.6	+19.5
18		89 48.4	N23 21.9	294.0	+10.1
19		104 48.2	N23 22.0	304.7	+01.6
20		119 48.1	N23 22.1	316.2	-06.3
21		134 47.9	N23 22.1	328.7	-12.4
22		149 47.8	N23 22.2	342.2	-16.5
23		164 47.7	N23 22.3	356.5	-18.4
00	2026-06-17	179 47.5	N23 22.4	011.0	-17.7
01		194 47.4	N23 22.4	025.0	-14.6
02		209 47.3	N23 22.5	038.0	-09.4
03		224 47.1	N23 22.6	049.9	-02.5
04		239 47.0	N23 22.7	061.0	+05.9
05		254 46.9	N23 22.7	071.5	+15.0
06		269 46.7	N23 22.8	081.8	+24.7
07		284 46.6	N23 22.9	092.8	+34.6
08		299 46.4	N23 22.9	105.3	+44.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		314 46.3	N23 23.0	121.0	+53.7
10		329 46.2	N23 23.1	142.7	+61.2
11		344 46.0	N23 23.1	172.2	+65.1
12		359 45.9	N23 23.2	204.1	+63.6
13		14 45.8	N23 23.3	229.6	+57.6
14		29 45.6	N23 23.3	247.7	+49.0
15		44 45.5	N23 23.4	261.5	+39.4
16		59 45.4	N23 23.5	273.1	+29.4
17		74 45.2	N23 23.5	283.6	+19.6
18		89 45.1	N23 23.6	294.0	+10.2
19		104 44.9	N23 23.7	304.7	+01.7
20		119 44.8	N23 23.7	316.2	-06.2
21		134 44.7	N23 23.8	328.7	-12.3
22		149 44.5	N23 23.8	342.2	-16.5
23		164 44.4	N23 23.9	356.5	-18.4
00	2026-06-18	179 44.3	N23 24.0	011.0	-17.7
01		194 44.1	N23 24.0	024.9	-14.6
02		209 44.0	N23 24.1	037.9	-09.4
03		224 43.8	N23 24.1	049.9	-02.5
04		239 43.7	N23 24.2	060.9	+05.9
05		254 43.6	N23 24.2	071.4	+15.0
06		269 43.4	N23 24.3	081.8	+24.6
07		284 43.3	N23 24.3	092.7	+34.6
08		299 43.2	N23 24.4	105.2	+44.5
09		314 43.0	N23 24.4	120.9	+53.7
10		329 42.9	N23 24.5	142.5	+61.2
11		344 42.8	N23 24.6	172.0	+65.1
12		359 42.6	N23 24.6	204.0	+63.7
13		14 42.5	N23 24.6	229.5	+57.6
14		29 42.3	N23 24.7	247.7	+49.1
15		44 42.2	N23 24.7	261.5	+39.5
16		59 42.1	N23 24.8	273.0	+29.5
17		74 41.9	N23 24.8	283.6	+19.6
18		89 41.8	N23 24.9	293.9	+10.2
19		104 41.7	N23 24.9	304.6	+01.7
20		119 41.5	N23 25.0	316.1	-06.2
21		134 41.4	N23 25.0	328.6	-12.3
22		149 41.2	N23 25.1	342.2	-16.5
23		164 41.1	N23 25.1	356.4	-18.3
00	2026-06-19	179 41.0	N23 25.1	010.9	-17.7
01		194 40.8	N23 25.2	024.9	-14.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		209 40.7	N23 25.2	037.9	-09.4
03		224 40.6	N23 25.3	049.8	-02.5
04		239 40.4	N23 25.3	060.9	+05.9
05		254 40.3	N23 25.3	071.3	+14.9
06		269 40.1	N23 25.4	081.7	+24.6
07		284 40.0	N23 25.4	092.6	+34.6
08		299 39.9	N23 25.4	105.1	+44.4
09		314 39.7	N23 25.5	120.8	+53.7
10		329 39.6	N23 25.5	142.4	+61.2
11		344 39.5	N23 25.5	171.9	+65.1
12		359 39.3	N23 25.6	203.9	+63.7
13		14 39.2	N23 25.6	229.4	+57.7
14		29 39.0	N23 25.6	247.7	+49.1
15		44 38.9	N23 25.7	261.5	+39.5
16		59 38.8	N23 25.7	273.0	+29.5
17		74 38.6	N23 25.7	283.6	+19.7
18		89 38.5	N23 25.7	293.9	+10.3
19		104 38.4	N23 25.8	304.6	+01.8
20		119 38.2	N23 25.8	316.1	-06.2
21		134 38.1	N23 25.8	328.6	-12.3
22		149 38.0	N23 25.9	342.1	-16.5
23		164 37.8	N23 25.9	356.4	-18.3
00	2026-06-20	179 37.7	N23 25.9	010.8	-17.7
01		194 37.5	N23 25.9	024.8	-14.6
02		209 37.4	N23 25.9	037.8	-09.4
03		224 37.3	N23 26.0	049.8	-02.5
04		239 37.1	N23 26.0	060.8	+05.9
05		254 37.0	N23 26.0	071.3	+14.9
06		269 36.9	N23 26.0	081.7	+24.6
07		284 36.7	N23 26.0	092.6	+34.6
08		299 36.6	N23 26.1	105.1	+44.4
09		314 36.4	N23 26.1	120.7	+53.6
10		329 36.3	N23 26.1	142.3	+61.1
11		344 36.2	N23 26.1	171.8	+65.1
12		359 36.0	N23 26.1	203.8	+63.7
13		14 35.9	N23 26.1	229.4	+57.7
14		29 35.8	N23 26.2	247.6	+49.2
15		44 35.6	N23 26.2	261.4	+39.5
16		59 35.5	N23 26.2	273.0	+29.6
17		74 35.3	N23 26.2	283.5	+19.7
18		89 35.2	N23 26.2	293.9	+10.3
19		104 35.1	N23 26.2	304.6	+01.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		119 34.9	N23 26.2	316.0	-06.1
21		134 34.8	N23 26.2	328.5	-12.3
22		149 34.7	N23 26.2	342.1	-16.4
23		164 34.5	N23 26.2	356.3	-18.3
00	2026-06-21	179 34.4	N23 26.3	010.8	-17.7
01		194 34.3	N23 26.3	024.8	-14.6
02		209 34.1	N23 26.3	037.8	-09.4
03		224 34.0	N23 26.3	049.7	-02.5
04		239 33.8	N23 26.3	060.8	+05.8
05		254 33.7	N23 26.3	071.3	+14.9
06		269 33.6	N23 26.3	081.6	+24.6
07		284 33.4	N23 26.3	092.5	+34.5
08		299 33.3	N23 26.3	105.0	+44.4
09		314 33.2	N23 26.3	120.7	+53.6
10		329 33.0	N23 26.3	142.2	+61.1
11		344 32.9	N23 26.3	171.7	+65.1
12		359 32.8	N23 26.3	203.7	+63.7
13		14 32.6	N23 26.3	229.3	+57.7
14		29 32.5	N23 26.3	247.6	+49.2
15		44 32.3	N23 26.3	261.4	+39.6
16		59 32.2	N23 26.3	272.9	+29.6
17		74 32.1	N23 26.2	283.5	+19.8
18		89 31.9	N23 26.2	293.8	+10.3
19		104 31.8	N23 26.2	304.5	+01.8
20		119 31.7	N23 26.2	316.0	-06.1
21		134 31.5	N23 26.2	328.5	-12.2
22		149 31.4	N23 26.2	342.0	-16.4
23		164 31.3	N23 26.2	356.3	-18.3
00	2026-06-22	179 31.1	N23 26.2	010.7	-17.7
01		194 31.0	N23 26.2	024.7	-14.6
02		209 30.8	N23 26.2	037.7	-09.5
03		224 30.7	N23 26.2	049.7	-02.6
04		239 30.6	N23 26.1	060.8	+05.8
05		254 30.4	N23 26.1	071.2	+14.8
06		269 30.3	N23 26.1	081.6	+24.5
07		284 30.2	N23 26.1	092.5	+34.5
08		299 30.0	N23 26.1	105.0	+44.4
09		314 29.9	N23 26.1	120.6	+53.6
10		329 29.8	N23 26.0	142.1	+61.1
11		344 29.6	N23 26.0	171.5	+65.1
12		359 29.5	N23 26.0	203.6	+63.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		14 29.3	N23 26.0	229.2	+57.8
14		29 29.2	N23 26.0	247.5	+49.2
15		44 29.1	N23 25.9	261.3	+39.6
16		59 28.9	N23 25.9	272.9	+29.7
17		74 28.8	N23 25.9	283.4	+19.8
18		89 28.7	N23 25.9	293.8	+10.4
19		104 28.5	N23 25.8	304.5	+01.9
20		119 28.4	N23 25.8	316.0	-06.1
21		134 28.3	N23 25.8	328.4	-12.2
22		149 28.1	N23 25.8	342.0	-16.4
23		164 28.0	N23 25.7	356.2	-18.3
00	2026-06-23	179 27.9	N23 25.7	010.7	-17.7
01		194 27.7	N23 25.7	024.7	-14.7
02		209 27.6	N23 25.7	037.7	-09.5
03		224 27.5	N23 25.6	049.7	-02.6
04		239 27.3	N23 25.6	060.7	+05.8
05		254 27.2	N23 25.6	071.2	+14.8
06		269 27.0	N23 25.5	081.6	+24.5
07		284 26.9	N23 25.5	092.5	+34.4
08		299 26.8	N23 25.5	104.9	+44.3
09		314 26.6	N23 25.4	120.6	+53.5
10		329 26.5	N23 25.4	142.1	+61.1
11		344 26.4	N23 25.4	171.4	+65.1
12		359 26.2	N23 25.3	203.5	+63.7
13		14 26.1	N23 25.3	229.1	+57.8
14		29 26.0	N23 25.2	247.4	+49.3
15		44 25.8	N23 25.2	261.3	+39.6
16		59 25.7	N23 25.2	272.8	+29.7
17		74 25.6	N23 25.1	283.4	+19.8
18		89 25.4	N23 25.1	293.7	+10.4
19		104 25.3	N23 25.0	304.4	+01.9
20		119 25.2	N23 25.0	315.9	-06.1
21		134 25.0	N23 25.0	328.4	-12.2
22		149 24.9	N23 24.9	341.9	-16.4
23		164 24.8	N23 24.9	356.2	-18.3
00	2026-06-24	179 24.6	N23 24.8	010.6	-17.7
01		194 24.5	N23 24.8	024.6	-14.7
02		209 24.4	N23 24.7	037.7	-09.5
03		224 24.2	N23 24.7	049.6	-02.6
04		239 24.1	N23 24.6	060.7	+05.7
05		254 24.0	N23 24.6	071.2	+14.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		269 23.8	N23 24.5	081.5	+24.4
07		284 23.7	N23 24.5	092.4	+34.4
08		299 23.6	N23 24.4	104.9	+44.3
09		314 23.4	N23 24.4	120.5	+53.5
10		329 23.3	N23 24.3	142.0	+61.0
11		344 23.2	N23 24.3	171.3	+65.0
12		359 23.0	N23 24.2	203.3	+63.7
13		14 22.9	N23 24.2	229.0	+57.8
14		29 22.8	N23 24.1	247.4	+49.3
15		44 22.6	N23 24.1	261.2	+39.7
16		59 22.5	N23 24.0	272.8	+29.7
17		74 22.3	N23 23.9	283.3	+19.8
18		89 22.2	N23 23.9	293.7	+10.4
19		104 22.1	N23 23.8	304.4	+01.9
20		119 22.0	N23 23.8	315.8	-06.1
21		134 21.8	N23 23.7	328.3	-12.2
22		149 21.7	N23 23.6	341.8	-16.4
23		164 21.6	N23 23.6	356.1	-18.3
00	2026-06-25	179 21.4	N23 23.5	010.6	-17.8
01		194 21.3	N23 23.5	024.6	-14.7
02		209 21.2	N23 23.4	037.6	-09.6
03		224 21.0	N23 23.3	049.6	-02.7
04		239 20.9	N23 23.3	060.7	+05.7
05		254 20.8	N23 23.2	071.1	+14.7
06		269 20.6	N23 23.1	081.5	+24.4
07		284 20.5	N23 23.1	092.4	+34.3
08		299 20.4	N23 23.0	104.9	+44.2
09		314 20.2	N23 22.9	120.5	+53.4
10		329 20.1	N23 22.9	141.9	+61.0
11		344 20.0	N23 22.8	171.2	+65.0
12		359 19.8	N23 22.7	203.2	+63.7
13		14 19.7	N23 22.6	228.9	+57.8
14		29 19.6	N23 22.6	247.3	+49.3
15		44 19.4	N23 22.5	261.2	+39.7
16		59 19.3	N23 22.4	272.7	+29.7
17		74 19.2	N23 22.3	283.3	+19.8
18		89 19.0	N23 22.3	293.6	+10.4
19		104 18.9	N23 22.2	304.3	+01.9
20		119 18.8	N23 22.1	315.8	-06.1
21		134 18.6	N23 22.0	328.3	-12.2
22		149 18.5	N23 22.0	341.8	-16.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		164 18.4	N23 21.9	356.1	-18.4
00	2026-06-26	179 18.2	N23 21.8	010.5	-17.8
01		194 18.1	N23 21.7	024.5	-14.8
02		209 18.0	N23 21.6	037.6	-09.6
03		224 17.9	N23 21.6	049.6	-02.7
04		239 17.7	N23 21.5	060.7	+05.6
05		254 17.6	N23 21.4	071.1	+14.7
06		269 17.5	N23 21.3	081.5	+24.3
07		284 17.3	N23 21.2	092.4	+34.3
08		299 17.2	N23 21.1	104.8	+44.2
09		314 17.1	N23 21.1	120.4	+53.4
10		329 16.9	N23 21.0	141.9	+60.9
11		344 16.8	N23 20.9	171.1	+65.0
12		359 16.7	N23 20.8	203.1	+63.7
13		14 16.5	N23 20.7	228.8	+57.8
14		29 16.4	N23 20.6	247.2	+49.3
15		44 16.3	N23 20.5	261.1	+39.7
16		59 16.2	N23 20.4	272.7	+29.7
17		74 16.0	N23 20.3	283.2	+19.9
18		89 15.9	N23 20.3	293.6	+10.4
19		104 15.8	N23 20.2	304.3	+01.9
20		119 15.6	N23 20.1	315.7	-06.1
21		134 15.5	N23 20.0	328.2	-12.2
22		149 15.4	N23 19.9	341.7	-16.5
23		164 15.2	N23 19.8	356.0	-18.4
00	2026-06-27	179 15.1	N23 19.7	010.5	-17.8
01		194 15.0	N23 19.6	024.5	-14.8
02		209 14.9	N23 19.5	037.6	-09.7
03		224 14.7	N23 19.4	049.6	-02.8
04		239 14.6	N23 19.3	060.6	+05.6
05		254 14.5	N23 19.2	071.1	+14.6
06		269 14.3	N23 19.1	081.5	+24.3
07		284 14.2	N23 19.0	092.4	+34.2
08		299 14.1	N23 18.9	104.8	+44.1
09		314 13.9	N23 18.8	120.4	+53.3
10		329 13.8	N23 18.7	141.8	+60.9
11		344 13.7	N23 18.6	171.0	+64.9
12		359 13.6	N23 18.5	203.0	+63.7
13		14 13.4	N23 18.4	228.7	+57.8
14		29 13.3	N23 18.3	247.1	+49.3
15		44 13.2	N23 18.1	261.0	+39.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		59 13.0	N23 18.0	272.6	+29.7
17		74 12.9	N23 17.9	283.2	+19.9
18		89 12.8	N23 17.8	293.5	+10.4
19		104 12.7	N23 17.7	304.2	+01.9
20		119 12.5	N23 17.6	315.7	-06.1
21		134 12.4	N23 17.5	328.1	-12.3
22		149 12.3	N23 17.4	341.7	-16.5
23		164 12.1	N23 17.3	356.0	-18.4
00	2026-06-28	179 12.0	N23 17.1	010.5	-17.9
01		194 11.9	N23 17.0	024.5	-14.9
02		209 11.8	N23 16.9	037.5	-09.7
03		224 11.6	N23 16.8	049.5	-02.8
04		239 11.5	N23 16.7	060.6	+05.5
05		254 11.4	N23 16.6	071.1	+14.5
06		269 11.3	N23 16.5	081.5	+24.2
07		284 11.1	N23 16.3	092.4	+34.2
08		299 11.0	N23 16.2	104.8	+44.0
09		314 10.9	N23 16.1	120.4	+53.3
10		329 10.7	N23 16.0	141.8	+60.8
11		344 10.6	N23 15.9	170.9	+64.9
12		359 10.5	N23 15.7	202.8	+63.7
13		14 10.4	N23 15.6	228.6	+57.8
14		29 10.2	N23 15.5	247.0	+49.3
15		44 10.1	N23 15.4	260.9	+39.7
16		59 10.0	N23 15.2	272.5	+29.7
17		74 09.9	N23 15.1	283.1	+19.9
18		89 09.7	N23 15.0	293.5	+10.4
19		104 09.6	N23 14.9	304.2	+01.9
20		119 09.5	N23 14.7	315.6	-06.1
21		134 09.4	N23 14.6	328.1	-12.3
22		149 09.2	N23 14.5	341.6	-16.5
23		164 09.1	N23 14.3	355.9	-18.5
00	2026-06-29	179 09.0	N23 14.2	010.4	-17.9
01		194 08.9	N23 14.1	024.4	-14.9
02		209 08.7	N23 13.9	037.5	-09.8
03		224 08.6	N23 13.8	049.5	-02.9
04		239 08.5	N23 13.7	060.6	+05.4
05		254 08.4	N23 13.5	071.1	+14.5
06		269 08.2	N23 13.4	081.5	+24.1
07		284 08.1	N23 13.3	092.4	+34.1
08		299 08.0	N23 13.1	104.8	+44.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		314 07.9	N23 13.0	120.4	+53.2
10		329 07.7	N23 12.9	141.7	+60.7
11		344 07.6	N23 12.7	170.8	+64.8
12		359 07.5	N23 12.6	202.7	+63.6
13		14 07.4	N23 12.4	228.4	+57.8
14		29 07.2	N23 12.3	246.9	+49.3
15		44 07.1	N23 12.2	260.8	+39.7
16		59 07.0	N23 12.0	272.4	+29.7
17		74 06.9	N23 11.9	283.0	+19.9
18		89 06.7	N23 11.7	293.4	+10.4
19		104 06.6	N23 11.6	304.1	+01.9
20		119 06.5	N23 11.4	315.5	-06.1
21		134 06.4	N23 11.3	328.0	-12.3
22		149 06.2	N23 11.2	341.6	-16.6
23		164 06.1	N23 11.0	355.9	-18.5
00	2026-06-30	179 06.0	N23 10.9	010.4	-18.0
01		194 05.9	N23 10.7	024.4	-15.0
02		209 05.7	N23 10.6	037.5	-09.9
03		224 05.6	N23 10.4	049.5	-03.0
04		239 05.5	N23 10.3	060.6	+05.4
05		254 05.4	N23 10.1	071.1	+14.4
06		269 05.3	N23 10.0	081.5	+24.1
07		284 05.1	N23 09.8	092.4	+34.0
08		299 05.0	N23 09.7	104.8	+43.9
09		314 04.9	N23 09.5	120.4	+53.1
10		329 04.8	N23 09.3	141.7	+60.7
11		344 04.6	N23 09.2	170.7	+64.8
12		359 04.5	N23 09.0	202.6	+63.6
13		14 04.4	N23 08.9	228.3	+57.7
14		29 04.3	N23 08.7	246.8	+49.3
15		44 04.2	N23 08.6	260.7	+39.7
16		59 04.0	N23 08.4	272.4	+29.7
17		74 03.9	N23 08.2	282.9	+19.8
18		89 03.8	N23 08.1	293.3	+10.4
19		104 03.7	N23 07.9	304.0	+01.9
20		119 03.5	N23 07.8	315.5	-06.2
21		134 03.4	N23 07.6	328.0	-12.4
22		149 03.3	N23 07.4	341.5	-16.6
23		164 03.2	N23 07.3	355.8	-18.6
00	2026-07-01	179 03.1	N23 07.1	010.3	-18.1
01		194 02.9	N23 06.9	024.4	-15.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		209 02.8	N23 06.8	037.5	-09.9
03		224 02.7	N23 06.6	049.5	-03.1
04		239 02.6	N23 06.4	060.6	+05.3
05		254 02.5	N23 06.3	071.1	+14.3
06		269 02.3	N23 06.1	081.5	+24.0
07		284 02.2	N23 05.9	092.4	+33.9
08		299 02.1	N23 05.8	104.9	+43.8
09		314 02.0	N23 05.6	120.4	+53.0
10		329 01.9	N23 05.4	141.7	+60.6
11		344 01.7	N23 05.3	170.6	+64.7
12		359 01.6	N23 05.1	202.4	+63.5
13		14 01.5	N23 04.9	228.2	+57.7
14		29 01.4	N23 04.7	246.7	+49.3
15		44 01.3	N23 04.6	260.6	+39.7
16		59 01.1	N23 04.4	272.3	+29.7
17		74 01.0	N23 04.2	282.9	+19.8
18		89 00.9	N23 04.0	293.2	+10.4
19		104 00.8	N23 03.9	303.9	+01.8
20		119 00.7	N23 03.7	315.4	-06.2
21		134 00.5	N23 03.5	327.9	-12.4
22		149 00.4	N23 03.3	341.4	-16.7
23		164 00.3	N23 03.1	355.8	-18.7
00	2026-07-02	179 00.2	N23 03.0	010.3	-18.1
01		194 00.1	N23 02.8	024.4	-15.2
02		208 60.0	N23 02.6	037.5	-10.0
03		223 59.8	N23 02.4	049.5	-03.1
04		238 59.7	N23 02.2	060.6	+05.2
05		253 59.6	N23 02.0	071.2	+14.2
06		268 59.5	N23 01.9	081.5	+23.9
07		283 59.4	N23 01.7	092.5	+33.9
08		298 59.2	N23 01.5	104.9	+43.7
09		313 59.1	N23 01.3	120.4	+52.9
10		328 59.0	N23 01.1	141.7	+60.5
11		343 58.9	N23 00.9	170.6	+64.6
12		358 58.8	N23 00.7	202.3	+63.5
13		13 58.7	N23 00.5	228.0	+57.7
14		28 58.5	N23 00.3	246.5	+49.2
15		43 58.4	N23 00.2	260.5	+39.7
16		58 58.3	N22 60.0	272.2	+29.7
17		73 58.2	N22 59.8	282.8	+19.8
18		88 58.1	N22 59.6	293.1	+10.3
19		103 58.0	N22 59.4	303.9	+01.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		118 57.9	N22 59.2	315.3	-06.2
21		133 57.7	N22 59.0	327.8	-12.5
22		148 57.6	N22 58.8	341.4	-16.8
23		163 57.5	N22 58.6	355.7	-18.7
00	2026-07-03	178 57.4	N22 58.4	010.3	-18.2
01		193 57.3	N22 58.2	024.3	-15.2
02		208 57.2	N22 58.0	037.5	-10.1
03		223 57.0	N22 57.8	049.5	-03.2
04		238 56.9	N22 57.6	060.7	+05.1
05		253 56.8	N22 57.4	071.2	+14.1
06		268 56.7	N22 57.2	081.6	+23.8
07		283 56.6	N22 57.0	092.5	+33.8
08		298 56.5	N22 56.8	104.9	+43.6
09		313 56.4	N22 56.6	120.5	+52.9
10		328 56.2	N22 56.4	141.7	+60.4
11		343 56.1	N22 56.2	170.5	+64.5
12		358 56.0	N22 56.0	202.2	+63.4
13		13 55.9	N22 55.8	227.9	+57.6
14		28 55.8	N22 55.6	246.4	+49.2
15		43 55.7	N22 55.3	260.4	+39.6
16		58 55.6	N22 55.1	272.1	+29.7
17		73 55.4	N22 54.9	282.7	+19.8
18		88 55.3	N22 54.7	293.1	+10.3
19		103 55.2	N22 54.5	303.8	+01.8
20		118 55.1	N22 54.3	315.2	-06.3
21		133 55.0	N22 54.1	327.7	-12.5
22		148 54.9	N22 53.9	341.3	-16.8
23		163 54.8	N22 53.7	355.7	-18.8
00	2026-07-04	178 54.7	N22 53.4	010.2	-18.3
01		193 54.5	N22 53.2	024.3	-15.3
02		208 54.4	N22 53.0	037.5	-10.2
03		223 54.3	N22 52.8	049.5	-03.3
04		238 54.2	N22 52.6	060.7	+05.0
05		253 54.1	N22 52.4	071.2	+14.1
06		268 54.0	N22 52.1	081.6	+23.7
07		283 53.9	N22 51.9	092.5	+33.7
08		298 53.8	N22 51.7	105.0	+43.6
09		313 53.7	N22 51.5	120.5	+52.8
10		328 53.5	N22 51.3	141.7	+60.3
11		343 53.4	N22 51.0	170.4	+64.4
12		358 53.3	N22 50.8	202.0	+63.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		13 53.2	N22 50.6	227.7	+57.6
14		28 53.1	N22 50.4	246.3	+49.2
15		43 53.0	N22 50.1	260.3	+39.6
16		58 52.9	N22 49.9	272.0	+29.6
17		73 52.8	N22 49.7	282.6	+19.7
18		88 52.7	N22 49.5	293.0	+10.3
19		103 52.6	N22 49.2	303.7	+01.7
20		118 52.4	N22 49.0	315.2	-06.3
21		133 52.3	N22 48.8	327.7	-12.6
22		148 52.2	N22 48.5	341.2	-16.9
23		163 52.1	N22 48.3	355.6	-18.9
00	2026-07-05	178 52.0	N22 48.1	010.2	-18.4
01		193 51.9	N22 47.8	024.3	-15.4
02		208 51.8	N22 47.6	037.5	-10.3
03		223 51.7	N22 47.4	049.6	-03.4
04		238 51.6	N22 47.2	060.7	+04.9
05		253 51.5	N22 46.9	071.2	+14.0
06		268 51.4	N22 46.7	081.6	+23.6
07		283 51.2	N22 46.4	092.6	+33.6
08		298 51.1	N22 46.2	105.0	+43.5
09		313 51.0	N22 46.0	120.5	+52.7
10		328 50.9	N22 45.7	141.7	+60.2
11		343 50.8	N22 45.5	170.3	+64.3
12		358 50.7	N22 45.3	201.9	+63.3
13		13 50.6	N22 45.0	227.6	+57.5
14		28 50.5	N22 44.8	246.1	+49.1
15		43 50.4	N22 44.5	260.2	+39.6
16		58 50.3	N22 44.3	271.8	+29.6
17		73 50.2	N22 44.0	282.5	+19.7
18		88 50.1	N22 43.8	292.9	+10.2
19		103 50.0	N22 43.6	303.6	+01.7
20		118 49.9	N22 43.3	315.1	-06.4
21		133 49.7	N22 43.1	327.6	-12.7
22		148 49.6	N22 42.8	341.2	-17.0
23		163 49.5	N22 42.6	355.6	-19.0
00	2026-07-06	178 49.4	N22 42.3	010.2	-18.5
01		193 49.3	N22 42.1	024.3	-15.5
02		208 49.2	N22 41.8	037.5	-10.4
03		223 49.1	N22 41.6	049.6	-03.5
04		238 49.0	N22 41.3	060.7	+04.8
05		253 48.9	N22 41.1	071.3	+13.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		268 48.8	N22 40.8	081.7	+23.5
07		283 48.7	N22 40.6	092.6	+33.5
08		298 48.6	N22 40.3	105.1	+43.4
09		313 48.5	N22 40.1	120.6	+52.6
10		328 48.4	N22 39.8	141.7	+60.1
11		343 48.3	N22 39.6	170.3	+64.2
12		358 48.2	N22 39.3	201.7	+63.2
13		13 48.1	N22 39.0	227.4	+57.4
14		28 48.0	N22 38.8	246.0	+49.1
15		43 47.9	N22 38.5	260.0	+39.5
16		58 47.8	N22 38.3	271.7	+29.6
17		73 47.7	N22 38.0	282.4	+19.7
18		88 47.6	N22 37.8	292.8	+10.2
19		103 47.5	N22 37.5	303.5	+01.6
20		118 47.4	N22 37.2	315.0	-06.5
21		133 47.2	N22 37.0	327.5	-12.7
22		148 47.1	N22 36.7	341.1	-17.1
23		163 47.0	N22 36.4	355.5	-19.1
00	2026-07-07	178 46.9	N22 36.2	010.1	-18.6
01		193 46.8	N22 35.9	024.3	-15.7
02		208 46.7	N22 35.6	037.5	-10.5
03		223 46.6	N22 35.4	049.6	-03.6
04		238 46.5	N22 35.1	060.8	+04.7
05		253 46.4	N22 34.8	071.3	+13.8
06		268 46.3	N22 34.6	081.7	+23.4
07		283 46.2	N22 34.3	092.7	+33.4
08		298 46.1	N22 34.0	105.1	+43.3
09		313 46.0	N22 33.8	120.6	+52.5
10		328 45.9	N22 33.5	141.7	+60.0
11		343 45.8	N22 33.2	170.2	+64.1
12		358 45.7	N22 33.0	201.6	+63.1
13		13 45.6	N22 32.7	227.3	+57.4
14		28 45.5	N22 32.4	245.8	+49.0
15		43 45.4	N22 32.1	259.9	+39.5
16		58 45.3	N22 31.9	271.6	+29.5
17		73 45.2	N22 31.6	282.3	+19.6
18		88 45.1	N22 31.3	292.7	+10.1
19		103 45.0	N22 31.0	303.4	+01.6
20		118 44.9	N22 30.8	314.9	-06.5
21		133 44.8	N22 30.5	327.4	-12.8
22		148 44.7	N22 30.2	341.1	-17.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		163 44.6	N22 29.9	355.5	-19.2
00	2026-07-08	178 44.5	N22 29.6	010.1	-18.7
01		193 44.4	N22 29.4	024.3	-15.8
02		208 44.3	N22 29.1	037.5	-10.6
03		223 44.2	N22 28.8	049.6	-03.7
04		238 44.2	N22 28.5	060.8	+04.6
05		253 44.1	N22 28.2	071.4	+13.7
06		268 44.0	N22 27.9	081.8	+23.3
07		283 43.9	N22 27.7	092.8	+33.3
08		298 43.8	N22 27.4	105.2	+43.2
09		313 43.7	N22 27.1	120.7	+52.4
10		328 43.6	N22 26.8	141.7	+59.9
11		343 43.5	N22 26.5	170.2	+64.0
12		358 43.4	N22 26.2	201.4	+63.0
13		13 43.3	N22 25.9	227.1	+57.3
14		28 43.2	N22 25.6	245.7	+49.0
15		43 43.1	N22 25.4	259.8	+39.4
16		58 43.0	N22 25.1	271.5	+29.5
17		73 42.9	N22 24.8	282.2	+19.6
18		88 42.8	N22 24.5	292.6	+10.1
19		103 42.7	N22 24.2	303.3	+01.5
20		118 42.6	N22 23.9	314.8	-06.6
21		133 42.5	N22 23.6	327.4	-12.9
22		148 42.4	N22 23.3	341.0	-17.3
23		163 42.3	N22 23.0	355.4	-19.3
00	2026-07-09	178 42.2	N22 22.7	010.1	-18.8
01		193 42.1	N22 22.4	024.3	-15.9
02		208 42.0	N22 22.1	037.5	-10.8
03		223 42.0	N22 21.8	049.7	-03.9
04		238 41.9	N22 21.5	060.9	+04.5
05		253 41.8	N22 21.2	071.4	+13.6
06		268 41.7	N22 20.9	081.9	+23.2
07		283 41.6	N22 20.6	092.8	+33.2
08		298 41.5	N22 20.3	105.3	+43.0
09		313 41.4	N22 20.0	120.8	+52.2
10		328 41.3	N22 19.7	141.8	+59.8
11		343 41.2	N22 19.4	170.1	+63.9
12		358 41.1	N22 19.1	201.3	+62.9
13		13 41.0	N22 18.8	226.9	+57.2
14		28 40.9	N22 18.5	245.5	+48.9
15		43 40.8	N22 18.2	259.6	+39.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		58 40.7	N22 17.9	271.4	+29.4
17		73 40.7	N22 17.6	282.0	+19.5
18		88 40.6	N22 17.3	292.5	+10.0
19		103 40.5	N22 16.9	303.2	+01.4
20		118 40.4	N22 16.6	314.7	-06.7
21		133 40.3	N22 16.3	327.3	-13.0
22		148 40.2	N22 16.0	340.9	-17.4
23		163 40.1	N22 15.7	355.4	-19.4
00	2026-07-10	178 40.0	N22 15.4	010.1	-19.0
01		193 39.9	N22 15.1	024.3	-16.0
02		208 39.8	N22 14.8	037.6	-10.9
03		223 39.8	N22 14.4	049.7	-04.0
04		238 39.7	N22 14.1	060.9	+04.4
05		253 39.6	N22 13.8	071.5	+13.4
06		268 39.5	N22 13.5	081.9	+23.1
07		283 39.4	N22 13.2	092.9	+33.1
08		298 39.3	N22 12.9	105.4	+42.9
09		313 39.2	N22 12.5	120.9	+52.1
10		328 39.1	N22 12.2	141.8	+59.6
11		343 39.0	N22 11.9	170.1	+63.8
12		358 39.0	N22 11.6	201.2	+62.8
13		13 38.9	N22 11.3	226.7	+57.1
14		28 38.8	N22 10.9	245.4	+48.8
15		43 38.7	N22 10.6	259.5	+39.3
16		58 38.6	N22 10.3	271.2	+29.3
17		73 38.5	N22 10.0	281.9	+19.4
18		88 38.4	N22 09.6	292.3	+09.9
19		103 38.3	N22 09.3	303.1	+01.4
20		118 38.3	N22 09.0	314.6	-06.8
21		133 38.2	N22 08.7	327.2	-13.1
22		148 38.1	N22 08.3	340.9	-17.5
23		163 38.0	N22 08.0	355.3	-19.6
00	2026-07-11	178 37.9	N22 07.7	010.1	-19.1
01		193 37.8	N22 07.4	024.3	-16.1
02		208 37.7	N22 07.0	037.6	-11.0
03		223 37.7	N22 06.7	049.8	-04.1
04		238 37.6	N22 06.4	061.0	+04.3
05		253 37.5	N22 06.0	071.6	+13.3
06		268 37.4	N22 05.7	082.0	+23.0
07		283 37.3	N22 05.4	093.0	+33.0
08		298 37.2	N22 05.0	105.5	+42.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		313 37.2	N22 04.7	121.0	+52.0
10		328 37.1	N22 04.4	141.9	+59.5
11		343 37.0	N22 04.0	170.1	+63.6
12		358 36.9	N22 03.7	201.0	+62.6
13		13 36.8	N22 03.3	226.6	+57.0
14		28 36.7	N22 03.0	245.2	+48.7
15		43 36.7	N22 02.7	259.3	+39.2
16		58 36.6	N22 02.3	271.1	+29.3
17		73 36.5	N22 02.0	281.8	+19.4
18		88 36.4	N22 01.7	292.2	+09.9
19		103 36.3	N22 01.3	303.0	+01.3
20		118 36.2	N22 01.0	314.5	-06.9
21		133 36.2	N22 00.6	327.1	-13.2
22		148 36.1	N22 00.3	340.8	-17.6
23		163 36.0	N21 59.9	355.3	-19.7
00	2026-07-12	178 35.9	N21 59.6	010.0	-19.2
01		193 35.8	N21 59.3	024.3	-16.3
02		208 35.8	N21 58.9	037.6	-11.1
03		223 35.7	N21 58.6	049.8	-04.2
04		238 35.6	N21 58.2	061.0	+04.2
05		253 35.5	N21 57.9	071.6	+13.2
06		268 35.4	N21 57.5	082.1	+22.9
07		283 35.3	N21 57.2	093.1	+32.9
08		298 35.3	N21 56.8	105.6	+42.7
09		313 35.2	N21 56.5	121.0	+51.9
10		328 35.1	N21 56.1	142.0	+59.4
11		343 35.0	N21 55.8	170.0	+63.5
12		358 35.0	N21 55.4	200.9	+62.5
13		13 34.9	N21 55.1	226.4	+56.9
14		28 34.8	N21 54.7	245.0	+48.7
15		43 34.7	N21 54.4	259.2	+39.1
16		58 34.6	N21 54.0	271.0	+29.2
17		73 34.6	N21 53.6	281.7	+19.3
18		88 34.5	N21 53.3	292.1	+09.8
19		103 34.4	N21 52.9	302.9	+01.2
20		118 34.3	N21 52.6	314.4	-07.0
21		133 34.3	N21 52.2	327.0	-13.3
22		148 34.2	N21 51.9	340.7	-17.8
23		163 34.1	N21 51.5	355.3	-19.8
00	2026-07-13	178 34.0	N21 51.1	010.0	-19.4
01		193 33.9	N21 50.8	024.3	-16.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		208 33.9	N21 50.4	037.7	-11.3
03		223 33.8	N21 50.0	049.9	-04.4
04		238 33.7	N21 49.7	061.1	+04.1
05		253 33.6	N21 49.3	071.7	+13.1
06		268 33.6	N21 49.0	082.2	+22.8
07		283 33.5	N21 48.6	093.2	+32.7
08		298 33.4	N21 48.2	105.7	+42.6
09		313 33.3	N21 47.9	121.2	+51.7
10		328 33.3	N21 47.5	142.0	+59.2
11		343 33.2	N21 47.1	170.0	+63.3
12		358 33.1	N21 46.8	200.7	+62.4
13		13 33.0	N21 46.4	226.2	+56.8
14		28 33.0	N21 46.0	244.8	+48.6
15		43 32.9	N21 45.7	259.0	+39.1
16		58 32.8	N21 45.3	270.8	+29.1
17		73 32.8	N21 44.9	281.5	+19.2
18		88 32.7	N21 44.5	292.0	+09.7
19		103 32.6	N21 44.2	302.8	+01.1
20		118 32.5	N21 43.8	314.3	-07.1
21		133 32.5	N21 43.4	326.9	-13.5
22		148 32.4	N21 43.0	340.7	-17.9
23		163 32.3	N21 42.7	355.2	-20.0
00	2026-07-14	178 32.2	N21 42.3	010.0	-19.5
01		193 32.2	N21 41.9	024.4	-16.6
02		208 32.1	N21 41.5	037.7	-11.4
03		223 32.0	N21 41.2	049.9	-04.5
04		238 32.0	N21 40.8	061.2	+03.9
05		253 31.9	N21 40.4	071.8	+13.0
06		268 31.8	N21 40.0	082.3	+22.7
07		283 31.8	N21 39.6	093.3	+32.6
08		298 31.7	N21 39.3	105.8	+42.4
09		313 31.6	N21 38.9	121.3	+51.6
10		328 31.5	N21 38.5	142.1	+59.1
11		343 31.5	N21 38.1	170.0	+63.2
12		358 31.4	N21 37.7	200.6	+62.2
13		13 31.3	N21 37.4	226.0	+56.7
14		28 31.3	N21 37.0	244.7	+48.5
15		43 31.2	N21 36.6	258.9	+39.0
16		58 31.1	N21 36.2	270.7	+29.0
17		73 31.1	N21 35.8	281.4	+19.1
18		88 31.0	N21 35.4	291.9	+09.6
19		103 30.9	N21 35.0	302.7	+01.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		118 30.9	N21 34.6	314.2	-07.2
21		133 30.8	N21 34.3	326.9	-13.6
22		148 30.7	N21 33.9	340.6	-18.0
23		163 30.7	N21 33.5	355.2	-20.1
00	2026-07-15	178 30.6	N21 33.1	010.0	-19.7
01		193 30.5	N21 32.7	024.4	-16.7
02		208 30.5	N21 32.3	037.7	-11.6
03		223 30.4	N21 31.9	050.0	-04.7
04		238 30.3	N21 31.5	061.2	+03.8
05		253 30.3	N21 31.1	071.9	+12.8
06		268 30.2	N21 30.7	082.4	+22.5
07		283 30.1	N21 30.3	093.4	+32.5
08		298 30.1	N21 29.9	105.9	+42.3
09		313 30.0	N21 29.5	121.4	+51.5
10		328 29.9	N21 29.1	142.2	+58.9
11		343 29.9	N21 28.7	170.0	+63.0
12		358 29.8	N21 28.3	200.5	+62.1
13		13 29.8	N21 27.9	225.8	+56.6
14		28 29.7	N21 27.5	244.5	+48.4
15		43 29.6	N21 27.1	258.7	+38.9
16		58 29.6	N21 26.7	270.5	+28.9
17		73 29.5	N21 26.3	281.3	+19.0
18		88 29.4	N21 25.9	291.8	+09.5
19		103 29.4	N21 25.5	302.6	+00.9
20		118 29.3	N21 25.1	314.1	-07.4
21		133 29.3	N21 24.7	326.8	-13.7
22		148 29.2	N21 24.3	340.5	-18.2
23		163 29.1	N21 23.9	355.2	-20.3
00	2026-07-16	178 29.1	N21 23.5	010.0	-19.8
01		193 29.0	N21 23.1	024.4	-16.9
02		208 28.9	N21 22.7	037.8	-11.7
03		223 28.9	N21 22.3	050.0	-04.8
04		238 28.8	N21 21.9	061.3	+03.7
05		253 28.8	N21 21.5	072.0	+12.7
06		268 28.7	N21 21.1	082.5	+22.4
07		283 28.7	N21 20.6	093.5	+32.4
08		298 28.6	N21 20.2	106.0	+42.2
09		313 28.5	N21 19.8	121.5	+51.3
10		328 28.5	N21 19.4	142.3	+58.8
11		343 28.4	N21 19.0	170.0	+62.9
12		358 28.4	N21 18.6	200.3	+61.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		13 28.3	N21 18.2	225.7	+56.5
14		28 28.2	N21 17.8	244.3	+48.2
15		43 28.2	N21 17.3	258.5	+38.8
16		58 28.1	N21 16.9	270.4	+28.8
17		73 28.1	N21 16.5	281.1	+18.9
18		88 28.0	N21 16.1	291.6	+09.4
19		103 28.0	N21 15.7	302.4	+00.8
20		118 27.9	N21 15.3	314.0	-07.5
21		133 27.8	N21 14.8	326.7	-13.9
22		148 27.8	N21 14.4	340.5	-18.3
23		163 27.7	N21 14.0	355.1	-20.5
00	2026-07-17	178 27.7	N21 13.6	010.0	-20.0
01		193 27.6	N21 13.1	024.4	-17.1
02		208 27.6	N21 12.7	037.8	-11.9
03		223 27.5	N21 12.3	050.1	-04.9
04		238 27.5	N21 11.9	061.4	+03.5
05		253 27.4	N21 11.5	072.1	+12.6
06		268 27.3	N21 11.0	082.6	+22.3
07		283 27.3	N21 10.6	093.6	+32.2
08		298 27.2	N21 10.2	106.2	+42.1
09		313 27.2	N21 09.7	121.7	+51.2
10		328 27.1	N21 09.3	142.4	+58.6
11		343 27.1	N21 08.9	170.0	+62.7
12		358 27.0	N21 08.5	200.2	+61.8
13		13 27.0	N21 08.0	225.5	+56.3
14		28 26.9	N21 07.6	244.1	+48.1
15		43 26.9	N21 07.2	258.4	+38.7
16		58 26.8	N21 06.7	270.2	+28.7
17		73 26.8	N21 06.3	281.0	+18.8
18		88 26.7	N21 05.9	291.5	+09.3
19		103 26.7	N21 05.4	302.3	+00.7
20		118 26.6	N21 05.0	313.9	-07.6
21		133 26.6	N21 04.6	326.6	-14.0
22		148 26.5	N21 04.1	340.4	-18.5
23		163 26.5	N21 03.7	355.1	-20.6
00	2026-07-18	178 26.4	N21 03.3	010.0	-20.2
01		193 26.4	N21 02.8	024.5	-17.2
02		208 26.3	N21 02.4	037.9	-12.1
03		223 26.3	N21 02.0	050.2	-05.1
04		238 26.2	N21 01.5	061.5	+03.4
05		253 26.2	N21 01.1	072.2	+12.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		268 26.1	N21 00.6	082.7	+22.1
07		283 26.1	N21 00.2	093.8	+32.1
08		298 26.0	N20 59.8	106.3	+41.9
09		313 26.0	N20 59.3	121.8	+51.0
10		328 25.9	N20 58.9	142.5	+58.5
11		343 25.9	N20 58.4	170.0	+62.5
12		358 25.8	N20 58.0	200.1	+61.6
13		13 25.8	N20 57.5	225.3	+56.2
14		28 25.7	N20 57.1	243.9	+48.0
15		43 25.7	N20 56.7	258.2	+38.6
16		58 25.7	N20 56.2	270.1	+28.6
17		73 25.6	N20 55.8	280.8	+18.7
18		88 25.6	N20 55.3	291.4	+09.1
19		103 25.5	N20 54.9	302.2	+00.6
20		118 25.5	N20 54.4	313.8	-07.8
21		133 25.4	N20 54.0	326.5	-14.2
22		148 25.4	N20 53.5	340.3	-18.7
23		163 25.3	N20 53.1	355.1	-20.8
00	2026-07-19	178 25.3	N20 52.6	010.0	-20.4
01		193 25.3	N20 52.2	024.5	-17.4
02		208 25.2	N20 51.7	038.0	-12.2
03		223 25.2	N20 51.3	050.3	-05.3
04		238 25.1	N20 50.8	061.6	+03.2
05		253 25.1	N20 50.4	072.3	+12.3
06		268 25.0	N20 49.9	082.8	+22.0
07		283 25.0	N20 49.4	093.9	+32.0
08		298 25.0	N20 49.0	106.4	+41.8
09		313 24.9	N20 48.5	122.0	+50.9
10		328 24.9	N20 48.1	142.7	+58.3
11		343 24.8	N20 47.6	170.0	+62.3
12		358 24.8	N20 47.2	200.0	+61.5
13		13 24.7	N20 46.7	225.1	+56.0
14		28 24.7	N20 46.2	243.7	+47.9
15		43 24.7	N20 45.8	258.0	+38.4
16		58 24.6	N20 45.3	269.9	+28.5
17		73 24.6	N20 44.9	280.7	+18.6
18		88 24.5	N20 44.4	291.2	+09.0
19		103 24.5	N20 43.9	302.1	+00.5
20		118 24.5	N20 43.5	313.7	-07.9
21		133 24.4	N20 43.0	326.4	-14.3
22		148 24.4	N20 42.5	340.3	-18.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		163 24.4	N20 42.1	355.0	-21.0
00	2026-07-20	178 24.3	N20 41.6	010.0	-20.5
01		193 24.3	N20 41.1	024.5	-17.6
02		208 24.2	N20 40.7	038.0	-12.4
03		223 24.2	N20 40.2	050.4	-05.4
04		238 24.2	N20 39.7	061.7	+03.1
05		253 24.1	N20 39.3	072.4	+12.1
06		268 24.1	N20 38.8	083.0	+21.8
07		283 24.1	N20 38.3	094.1	+31.8
08		298 24.0	N20 37.9	106.6	+41.6
09		313 24.0	N20 37.4	122.1	+50.7
10		328 24.0	N20 36.9	142.8	+58.1
11		343 23.9	N20 36.4	170.0	+62.2
12		358 23.9	N20 36.0	199.8	+61.3
13		13 23.8	N20 35.5	224.9	+55.9
14		28 23.8	N20 35.0	243.5	+47.7
15		43 23.8	N20 34.6	257.8	+38.3
16		58 23.7	N20 34.1	269.7	+28.4
17		73 23.7	N20 33.6	280.6	+18.5
18		88 23.7	N20 33.1	291.1	+08.9
19		103 23.6	N20 32.6	302.0	+00.3
20		118 23.6	N20 32.2	313.6	-08.1
21		133 23.6	N20 31.7	326.3	-14.5
22		148 23.5	N20 31.2	340.2	-19.0
23		163 23.5	N20 30.7	355.0	-21.2
00	2026-07-21	178 23.5	N20 30.3	010.0	-20.7
01		193 23.5	N20 29.8	024.6	-17.8
02		208 23.4	N20 29.3	038.1	-12.6
03		223 23.4	N20 28.8	050.5	-05.6
04		238 23.4	N20 28.3	061.8	+02.9
05		253 23.3	N20 27.8	072.5	+12.0
06		268 23.3	N20 27.4	083.1	+21.7
07		283 23.3	N20 26.9	094.2	+31.7
08		298 23.2	N20 26.4	106.8	+41.5
09		313 23.2	N20 25.9	122.3	+50.6
10		328 23.2	N20 25.4	142.9	+57.9
11		343 23.1	N20 24.9	170.0	+62.0
12		358 23.1	N20 24.4	199.7	+61.1
13		13 23.1	N20 24.0	224.7	+55.7
14		28 23.1	N20 23.5	243.3	+47.6
15		43 23.0	N20 23.0	257.6	+38.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		58 23.0	N20 22.5	269.6	+28.3
17		73 23.0	N20 22.0	280.4	+18.3
18		88 23.0	N20 21.5	291.0	+08.8
19		103 22.9	N20 21.0	301.8	+00.2
20		118 22.9	N20 20.5	313.5	-08.2
21		133 22.9	N20 20.0	326.2	-14.7
22		148 22.8	N20 19.5	340.2	-19.2
23		163 22.8	N20 19.1	355.0	-21.4
00	2026-07-22	178 22.8	N20 18.6	010.1	-20.9
01		193 22.8	N20 18.1	024.6	-18.0
02		208 22.7	N20 17.6	038.2	-12.7
03		223 22.7	N20 17.1	050.6	-05.8
04		238 22.7	N20 16.6	061.9	+02.8
05		253 22.7	N20 16.1	072.7	+11.8
06		268 22.6	N20 15.6	083.2	+21.6
07		283 22.6	N20 15.1	094.4	+31.5
08		298 22.6	N20 14.6	106.9	+41.3
09		313 22.6	N20 14.1	122.5	+50.4
10		328 22.5	N20 13.6	143.1	+57.8
11		343 22.5	N20 13.1	170.1	+61.8
12		358 22.5	N20 12.6	199.6	+60.9
13		13 22.5	N20 12.1	224.5	+55.5
14		28 22.5	N20 11.6	243.1	+47.5
15		43 22.4	N20 11.1	257.5	+38.0
16		58 22.4	N20 10.6	269.4	+28.1
17		73 22.4	N20 10.1	280.2	+18.2
18		88 22.4	N20 09.6	290.8	+08.6
19		103 22.4	N20 09.1	301.7	+00.1
20		118 22.3	N20 08.6	313.4	-08.4
21		133 22.3	N20 08.0	326.1	-14.9
22		148 22.3	N20 07.5	340.1	-19.4
23		163 22.3	N20 07.0	355.0	-21.6
00	2026-07-23	178 22.3	N20 06.5	010.1	-21.1
01		193 22.2	N20 06.0	024.7	-18.2
02		208 22.2	N20 05.5	038.3	-12.9
03		223 22.2	N20 05.0	050.7	-05.9
04		238 22.2	N20 04.5	062.1	+02.6
05		253 22.2	N20 04.0	072.8	+11.7
06		268 22.1	N20 03.5	083.4	+21.4
07		283 22.1	N20 02.9	094.5	+31.4
08		298 22.1	N20 02.4	107.1	+41.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		313 22.1	N20 01.9	122.6	+50.2
10		328 22.1	N20 01.4	143.2	+57.6
11		343 22.1	N20 00.9	170.1	+61.6
12		358 22.0	N20 00.4	199.5	+60.7
13		13 22.0	N19 59.9	224.3	+55.4
14		28 22.0	N19 59.3	243.0	+47.3
15		43 22.0	N19 58.8	257.3	+37.9
16		58 22.0	N19 58.3	269.2	+28.0
17		73 22.0	N19 57.8	280.1	+18.0
18		88 21.9	N19 57.3	290.7	+08.5
19		103 21.9	N19 56.8	301.6	-00.0
20		118 21.9	N19 56.2	313.3	-08.6
21		133 21.9	N19 55.7	326.1	-15.0
22		148 21.9	N19 55.2	340.0	-19.6
23		163 21.9	N19 54.7	354.9	-21.8
00	2026-07-24	178 21.9	N19 54.2	010.1	-21.3
01		193 21.8	N19 53.6	024.8	-18.3
02		208 21.8	N19 53.1	038.4	-13.1
03		223 21.8	N19 52.6	050.8	-06.1
04		238 21.8	N19 52.1	062.2	+02.5
05		253 21.8	N19 51.5	072.9	+11.5
06		268 21.8	N19 51.0	083.5	+21.3
07		283 21.8	N19 50.5	094.7	+31.2
08		298 21.8	N19 50.0	107.3	+41.0
09		313 21.8	N19 49.4	122.8	+50.1
10		328 21.7	N19 48.9	143.4	+57.4
11		343 21.7	N19 48.4	170.1	+61.4
12		358 21.7	N19 47.8	199.4	+60.5
13		13 21.7	N19 47.3	224.1	+55.2
14		28 21.7	N19 46.8	242.8	+47.1
15		43 21.7	N19 46.3	257.1	+37.8
16		58 21.7	N19 45.7	269.1	+27.8
17		73 21.7	N19 45.2	279.9	+17.9
18		88 21.7	N19 44.7	290.5	+08.3
19		103 21.7	N19 44.1	301.4	-00.2
20		118 21.6	N19 43.6	313.1	-08.7
21		133 21.6	N19 43.1	326.0	-15.2
22		148 21.6	N19 42.5	340.0	-19.8
23		163 21.6	N19 42.0	354.9	-22.0
00	2026-07-25	178 21.6	N19 41.5	010.1	-21.5
01		193 21.6	N19 40.9	024.8	-18.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		208 21.6	N19 40.4	038.5	-13.3
03		223 21.6	N19 39.8	050.9	-06.3
04		238 21.6	N19 39.3	062.3	+02.3
05		253 21.6	N19 38.8	073.1	+11.4
06		268 21.6	N19 38.2	083.7	+21.1
07		283 21.6	N19 37.7	094.9	+31.1
08		298 21.6	N19 37.1	107.5	+40.9
09		313 21.6	N19 36.6	123.0	+49.9
10		328 21.6	N19 36.1	143.5	+57.2
11		343 21.6	N19 35.5	170.2	+61.1
12		358 21.6	N19 35.0	199.3	+60.3
13		13 21.6	N19 34.4	224.0	+55.0
14		28 21.5	N19 33.9	242.5	+47.0
15		43 21.5	N19 33.4	256.9	+37.6
16		58 21.5	N19 32.8	268.9	+27.7
17		73 21.5	N19 32.3	279.8	+17.7
18		88 21.5	N19 31.7	290.4	+08.2
19		103 21.5	N19 31.2	301.3	-00.3
20		118 21.5	N19 30.6	313.0	-08.9
21		133 21.5	N19 30.1	325.9	-15.4
22		148 21.5	N19 29.5	339.9	-20.0
23		163 21.5	N19 29.0	354.9	-22.2
00	2026-07-26	178 21.5	N19 28.4	010.1	-21.8
01		193 21.5	N19 27.9	024.9	-18.8
02		208 21.5	N19 27.3	038.6	-13.5
03		223 21.5	N19 26.8	051.0	-06.5
04		238 21.5	N19 26.2	062.4	+02.2
05		253 21.5	N19 25.7	073.2	+11.2
06		268 21.5	N19 25.1	083.9	+21.0
07		283 21.5	N19 24.6	095.0	+30.9
08		298 21.5	N19 24.0	107.7	+40.7
09		313 21.5	N19 23.5	123.2	+49.7
10		328 21.5	N19 22.9	143.7	+57.0
11		343 21.5	N19 22.4	170.3	+60.9
12		358 21.5	N19 21.8	199.2	+60.1
13		13 21.5	N19 21.2	223.8	+54.8
14		28 21.5	N19 20.7	242.3	+46.8
15		43 21.6	N19 20.1	256.7	+37.4
16		58 21.6	N19 19.6	268.7	+27.5
17		73 21.6	N19 19.0	279.6	+17.6
18		88 21.6	N19 18.4	290.2	+08.0
19		103 21.6	N19 17.9	301.2	-01.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		118 21.6	N19 17.3	312.9	-09.1
21		133 21.6	N19 16.8	325.8	-15.6
22		148 21.6	N19 16.2	339.9	-20.2
23		163 21.6	N19 15.6	354.9	-22.4
00	2026-07-27	178 21.6	N19 15.1	010.2	-22.0
01		193 21.6	N19 14.5	025.0	-19.0
02		208 21.6	N19 14.0	038.7	-13.7
03		223 21.6	N19 13.4	051.1	-06.7
04		238 21.6	N19 12.8	062.6	+02.0
05		253 21.6	N19 12.3	073.4	+11.0
06		268 21.6	N19 11.7	084.0	+20.8
07		283 21.6	N19 11.1	095.2	+30.8
08		298 21.6	N19 10.6	107.9	+40.5
09		313 21.7	N19 10.0	123.4	+49.5
10		328 21.7	N19 09.4	143.9	+56.8
11		343 21.7	N19 08.9	170.3	+60.7
12		358 21.7	N19 08.3	199.1	+59.9
13		13 21.7	N19 07.7	223.6	+54.6
14		28 21.7	N19 07.1	242.1	+46.6
15		43 21.7	N19 06.6	256.5	+37.3
16		58 21.7	N19 06.0	268.5	+27.4
17		73 21.7	N19 05.4	279.5	+17.4
18		88 21.7	N19 04.9	290.1	+07.8
19		103 21.7	N19 04.3	301.0	-01.3
20		118 21.8	N19 03.7	312.8	-09.3
21		133 21.8	N19 03.1	325.7	-15.9
22		148 21.8	N19 02.6	339.8	-20.4
23		163 21.8	N19 02.0	354.9	-22.6
00	2026-07-28	178 21.8	N19 01.4	010.2	-22.2
01		193 21.8	N19 00.8	025.0	-19.2
02		208 21.8	N19 00.3	038.8	-13.9
03		223 21.8	N18 59.7	051.3	-06.8
04		238 21.9	N18 59.1	062.7	+01.8
05		253 21.9	N18 58.5	073.5	+10.9
06		268 21.9	N18 58.0	084.2	+20.6
07		283 21.9	N18 57.4	095.4	+30.6
08		298 21.9	N18 56.8	108.1	+40.4
09		313 21.9	N18 56.2	123.6	+49.3
10		328 21.9	N18 55.6	144.0	+56.6
11		343 22.0	N18 55.1	170.4	+60.5
12		358 22.0	N18 54.5	199.0	+59.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		13 22.0	N18 53.9	223.4	+54.4
14		28 22.0	N18 53.3	241.9	+46.4
15		43 22.0	N18 52.7	256.3	+37.1
16		58 22.0	N18 52.1	268.4	+27.2
17		73 22.1	N18 51.6	279.3	+17.3
18		88 22.1	N18 51.0	289.9	+07.6
19		103 22.1	N18 50.4	300.9	-01.5
20		118 22.1	N18 49.8	312.7	-09.5
21		133 22.1	N18 49.2	325.6	-16.1
22		148 22.1	N18 48.6	339.8	-20.7
23		163 22.2	N18 48.0	354.9	-22.9
00	2026-07-29	178 22.2	N18 47.4	010.2	-22.4
01		193 22.2	N18 46.9	025.1	-19.4
02		208 22.2	N18 46.3	038.9	-14.1
03		223 22.2	N18 45.7	051.4	-07.0
04		238 22.2	N18 45.1	062.9	+01.7
05		253 22.3	N18 44.5	073.7	+10.7
06		268 22.3	N18 43.9	084.4	+20.5
07		283 22.3	N18 43.3	095.6	+30.4
08		298 22.3	N18 42.7	108.3	+40.2
09		313 22.3	N18 42.1	123.9	+49.2
10		328 22.4	N18 41.5	144.2	+56.4
11		343 22.4	N18 40.9	170.4	+60.2
12		358 22.4	N18 40.3	198.9	+59.4
13		13 22.4	N18 39.7	223.2	+54.2
14		28 22.5	N18 39.1	241.7	+46.3
15		43 22.5	N18 38.6	256.1	+36.9
16		58 22.5	N18 38.0	268.2	+27.0
17		73 22.5	N18 37.4	279.1	+17.1
18		88 22.5	N18 36.8	289.8	+07.5
19		103 22.6	N18 36.2	300.8	-01.7
20		118 22.6	N18 35.6	312.6	-09.7
21		133 22.6	N18 35.0	325.5	-16.3
22		148 22.6	N18 34.4	339.7	-20.9
23		163 22.7	N18 33.8	354.9	-23.1
00	2026-07-30	178 22.7	N18 33.2	010.3	-22.7
01		193 22.7	N18 32.6	025.2	-19.6
02		208 22.7	N18 32.0	039.0	-14.3
03		223 22.8	N18 31.4	051.5	-07.2
04		238 22.8	N18 30.7	063.0	+01.5
05		253 22.8	N18 30.1	073.9	+10.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		268 22.8	N18 29.5	084.6	+20.3
07		283 22.9	N18 28.9	095.8	+30.3
08		298 22.9	N18 28.3	108.5	+40.0
09		313 22.9	N18 27.7	124.1	+49.0
10		328 23.0	N18 27.1	144.4	+56.1
11		343 23.0	N18 26.5	170.5	+60.0
12		358 23.0	N18 25.9	198.8	+59.2
13		13 23.0	N18 25.3	223.0	+54.0
14		28 23.1	N18 24.7	241.5	+46.1
15		43 23.1	N18 24.1	255.9	+36.7
16		58 23.1	N18 23.5	268.0	+26.9
17		73 23.2	N18 22.9	279.0	+16.9
18		88 23.2	N18 22.2	289.6	+07.3
19		103 23.2	N18 21.6	300.6	-01.9
20		118 23.2	N18 21.0	312.4	-09.9
21		133 23.3	N18 20.4	325.4	-16.5
22		148 23.3	N18 19.8	339.7	-21.1
23		163 23.3	N18 19.2	354.9	-23.4
00	2026-07-31	178 23.4	N18 18.6	010.3	-22.9
01		193 23.4	N18 18.0	025.3	-19.9
02		208 23.4	N18 17.3	039.1	-14.5
03		223 23.5	N18 16.7	051.7	-07.4
04		238 23.5	N18 16.1	063.2	+01.4
05		253 23.5	N18 15.5	074.1	+10.4
06		268 23.6	N18 14.9	084.8	+20.1
07		283 23.6	N18 14.3	096.0	+30.1
08		298 23.6	N18 13.6	108.7	+39.8
09		313 23.7	N18 13.0	124.3	+48.8
10		328 23.7	N18 12.4	144.6	+55.9
11		343 23.7	N18 11.8	170.6	+59.8
12		358 23.8	N18 11.2	198.7	+58.9
13		13 23.8	N18 10.5	222.8	+53.8
14		28 23.8	N18 09.9	241.3	+45.9
15		43 23.9	N18 09.3	255.7	+36.6
16		58 23.9	N18 08.7	267.8	+26.7
17		73 23.9	N18 08.1	278.8	+16.7
18		88 24.0	N18 07.4	289.5	+07.1
19		103 24.0	N18 06.8	300.5	-02.1
20		118 24.0	N18 06.2	312.3	-10.2
21		133 24.1	N18 05.6	325.3	-16.7
22		148 24.1	N18 04.9	339.6	-21.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		163 24.1	N18 04.3	354.9	-23.6
00	2026-08-01	178 24.2	N18 03.7	010.4	-23.2
01		193 24.2	N18 03.1	025.4	-20.1
02		208 24.3	N18 02.4	039.2	-14.8
03		223 24.3	N18 01.8	051.8	-07.6
04		238 24.3	N18 01.2	063.4	+01.2
05		253 24.4	N18 00.5	074.2	+10.2
06		268 24.4	N17 59.9	085.0	+20.0
07		283 24.5	N17 59.3	096.2	+29.9
08		298 24.5	N17 58.7	109.0	+39.7
09		313 24.5	N17 58.0	124.5	+48.6
10		328 24.6	N17 57.4	144.8	+55.7
11		343 24.6	N17 56.8	170.7	+59.5
12		358 24.6	N17 56.1	198.6	+58.7
13		13 24.7	N17 55.5	222.7	+53.5
14		28 24.7	N17 54.9	241.1	+45.7
15		43 24.8	N17 54.2	255.5	+36.4
16		58 24.8	N17 53.6	267.6	+26.5
17		73 24.9	N17 53.0	278.6	+16.5
18		88 24.9	N17 52.3	289.3	+06.9
19		103 24.9	N17 51.7	300.3	-02.3
20		118 25.0	N17 51.1	312.2	-10.4
21		133 25.0	N17 50.4	325.2	-17.0
22		148 25.1	N17 49.8	339.6	-21.6
23		163 25.1	N17 49.1	354.9	-23.9
00	2026-08-02	178 25.2	N17 48.5	010.4	-23.4
01		193 25.2	N17 47.9	025.5	-20.3
02		208 25.2	N17 47.2	039.4	-15.0
03		223 25.3	N17 46.6	052.0	-07.8
04		238 25.3	N17 45.9	063.5	+01.0
05		253 25.4	N17 45.3	074.4	+10.0
06		268 25.4	N17 44.7	085.2	+19.8
07		283 25.5	N17 44.0	096.4	+29.8
08		298 25.5	N17 43.4	109.2	+39.5
09		313 25.6	N17 42.7	124.8	+48.4
10		328 25.6	N17 42.1	145.0	+55.5
11		343 25.6	N17 41.4	170.8	+59.3
12		358 25.7	N17 40.8	198.5	+58.4
13		13 25.7	N17 40.2	222.5	+53.3
14		28 25.8	N17 39.5	240.9	+45.4
15		43 25.8	N17 38.9	255.3	+36.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		58 25.9	N17 38.2	267.4	+26.3
17		73 25.9	N17 37.6	278.4	+16.3
18		88 26.0	N17 36.9	289.2	+06.7
19		103 26.0	N17 36.3	300.2	-02.5
20		118 26.1	N17 35.6	312.1	-10.6
21		133 26.1	N17 35.0	325.1	-17.2
22		148 26.2	N17 34.3	339.5	-21.9
23		163 26.2	N17 33.7	354.9	-24.1
00	2026-08-03	178 26.3	N17 33.0	010.5	-23.7
01		193 26.3	N17 32.4	025.6	-20.6
02		208 26.4	N17 31.7	039.5	-15.2
03		223 26.4	N17 31.1	052.2	-08.0
04		238 26.5	N17 30.4	063.7	+00.9
05		253 26.5	N17 29.8	074.6	+09.8
06		268 26.6	N17 29.1	085.4	+19.6
07		283 26.6	N17 28.5	096.7	+29.6
08		298 26.7	N17 27.8	109.4	+39.3
09		313 26.7	N17 27.2	125.0	+48.2
10		328 26.8	N17 26.5	145.2	+55.2
11		343 26.8	N17 25.8	170.9	+59.0
12		358 26.9	N17 25.2	198.5	+58.2
13		13 26.9	N17 24.5	222.3	+53.1
14		28 27.0	N17 23.9	240.7	+45.2
15		43 27.0	N17 23.2	255.1	+36.0
16		58 27.1	N17 22.6	267.3	+26.1
17		73 27.2	N17 21.9	278.3	+16.1
18		88 27.2	N17 21.2	289.0	+06.5
19		103 27.3	N17 20.6	300.1	-02.7
20		118 27.3	N17 19.9	312.0	-10.8
21		133 27.4	N17 19.3	325.1	-17.5
22		148 27.4	N17 18.6	339.5	-22.1
23		163 27.5	N17 17.9	354.9	-24.4
00	2026-08-04	178 27.5	N17 17.3	010.5	-23.9
01		193 27.6	N17 16.6	025.7	-20.8
02		208 27.7	N17 15.9	039.6	-15.4
03		223 27.7	N17 15.3	052.3	-08.2
04		238 27.8	N17 14.6	063.9	+00.7
05		253 27.8	N17 13.9	074.8	+09.7
06		268 27.9	N17 13.3	085.6	+19.5
07		283 27.9	N17 12.6	096.9	+29.4
08		298 28.0	N17 12.0	109.7	+39.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		313 28.1	N17 11.3	125.3	+48.0
10		328 28.1	N17 10.6	145.5	+55.0
11		343 28.2	N17 10.0	171.0	+58.7
12		358 28.2	N17 09.3	198.4	+57.9
13		13 28.3	N17 08.6	222.1	+52.8
14		28 28.3	N17 07.9	240.5	+45.0
15		43 28.4	N17 07.3	254.9	+35.7
16		58 28.5	N17 06.6	267.1	+25.9
17		73 28.5	N17 05.9	278.1	+15.9
18		88 28.6	N17 05.3	288.8	+06.3
19		103 28.6	N17 04.6	299.9	-03.0
20		118 28.7	N17 03.9	311.8	-11.1
21		133 28.8	N17 03.2	325.0	-17.7
22		148 28.8	N17 02.6	339.4	-22.4
23		163 28.9	N17 01.9	354.9	-24.7
00	2026-08-05	178 29.0	N17 01.2	010.6	-24.2
01		193 29.0	N17 00.6	025.8	-21.1
02		208 29.1	N16 59.9	039.8	-15.7
03		223 29.1	N16 59.2	052.5	-08.5
04		238 29.2	N16 58.5	064.1	+00.5
05		253 29.3	N16 57.9	075.0	+09.5
06		268 29.3	N16 57.2	085.8	+19.3
07		283 29.4	N16 56.5	097.1	+29.2
08		298 29.5	N16 55.8	109.9	+38.9
09		313 29.5	N16 55.1	125.5	+47.8
10		328 29.6	N16 54.5	145.7	+54.8
11		343 29.7	N16 53.8	171.1	+58.5
12		358 29.7	N16 53.1	198.3	+57.6
13		13 29.8	N16 52.4	222.0	+52.6
14		28 29.8	N16 51.7	240.3	+44.8
15		43 29.9	N16 51.1	254.7	+35.5
16		58 30.0	N16 50.4	266.9	+25.7
17		73 30.0	N16 49.7	277.9	+15.7
18		88 30.1	N16 49.0	288.7	+06.1
19		103 30.2	N16 48.3	299.8	-03.2
20		118 30.2	N16 47.6	311.7	-11.3
21		133 30.3	N16 47.0	324.9	-18.0
22		148 30.4	N16 46.3	339.4	-22.7
23		163 30.4	N16 45.6	354.9	-24.9
00	2026-08-06	178 30.5	N16 44.9	010.7	-24.5
01		193 30.6	N16 44.2	025.9	-21.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		208 30.7	N16 43.5	039.9	-15.9
03		223 30.7	N16 42.8	052.7	-08.7
04		238 30.8	N16 42.2	064.3	+00.3
05		253 30.9	N16 41.5	075.2	+09.3
06		268 30.9	N16 40.8	086.0	+19.1
07		283 31.0	N16 40.1	097.4	+29.1
08		298 31.1	N16 39.4	110.2	+38.7
09		313 31.1	N16 38.7	125.8	+47.6
10		328 31.2	N16 38.0	145.9	+54.5
11		343 31.3	N16 37.3	171.2	+58.2
12		358 31.3	N16 36.6	198.3	+57.4
13		13 31.4	N16 36.0	221.8	+52.3
14		28 31.5	N16 35.3	240.1	+44.5
15		43 31.6	N16 34.6	254.5	+35.3
16		58 31.6	N16 33.9	266.7	+25.5
17		73 31.7	N16 33.2	277.7	+15.5
18		88 31.8	N16 32.5	288.5	+05.8
19		103 31.9	N16 31.8	299.6	-03.4
20		118 31.9	N16 31.1	311.6	-11.6
21		133 32.0	N16 30.4	324.8	-18.2
22		148 32.1	N16 29.7	339.3	-23.0
23		163 32.1	N16 29.0	354.9	-25.2
00	2026-08-07	178 32.2	N16 28.3	010.7	-24.7
01		193 32.3	N16 27.6	026.0	-21.6
02		208 32.4	N16 26.9	040.1	-16.1
03		223 32.4	N16 26.2	052.8	-08.9
04		238 32.5	N16 25.5	064.5	+00.2
05		253 32.6	N16 24.8	075.4	+09.1
06		268 32.7	N16 24.1	086.2	+18.9
07		283 32.7	N16 23.4	097.6	+28.9
08		298 32.8	N16 22.7	110.4	+38.6
09		313 32.9	N16 22.0	126.1	+47.3
10		328 33.0	N16 21.3	146.1	+54.3
11		343 33.0	N16 20.6	171.3	+57.9
12		358 33.1	N16 19.9	198.2	+57.1
13		13 33.2	N16 19.2	221.6	+52.1
14		28 33.3	N16 18.5	239.9	+44.3
15		43 33.4	N16 17.8	254.3	+35.1
16		58 33.4	N16 17.1	266.5	+25.2
17		73 33.5	N16 16.4	277.6	+15.3
18		88 33.6	N16 15.7	288.3	+05.6
19		103 33.7	N16 15.0	299.5	-03.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		118 33.7	N16 14.3	311.5	-11.8
21		133 33.8	N16 13.6	324.7	-18.5
22		148 33.9	N16 12.9	339.3	-23.2
23		163 34.0	N16 12.2	354.9	-25.5
00	2026-08-08	178 34.1	N16 11.5	010.8	-25.0
01		193 34.1	N16 10.8	026.1	-21.8
02		208 34.2	N16 10.0	040.3	-16.4
03		223 34.3	N16 09.3	053.0	-09.1
04		238 34.4	N16 08.6	064.7	+00.0
05		253 34.5	N16 07.9	075.6	+08.9
06		268 34.6	N16 07.2	086.5	+18.7
07		283 34.6	N16 06.5	097.9	+28.7
08		298 34.7	N16 05.8	110.7	+38.4
09		313 34.8	N16 05.1	126.3	+47.1
10		328 34.9	N16 04.4	146.4	+54.0
11		343 35.0	N16 03.6	171.4	+57.7
12		358 35.0	N16 02.9	198.1	+56.8
13		13 35.1	N16 02.2	221.5	+51.8
14		28 35.2	N16 01.5	239.7	+44.1
15		43 35.3	N16 00.8	254.1	+34.9
16		58 35.4	N16 00.1	266.3	+25.0
17		73 35.5	N15 59.4	277.4	+15.0
18		88 35.5	N15 58.6	288.2	+05.4
19		103 35.6	N15 57.9	299.3	-03.9
20		118 35.7	N15 57.2	311.4	-12.1
21		133 35.8	N15 56.5	324.6	-18.8
22		148 35.9	N15 55.8	339.2	-23.5
23		163 36.0	N15 55.1	354.9	-25.8
00	2026-08-09	178 36.1	N15 54.3	010.9	-25.3
01		193 36.1	N15 53.6	026.3	-22.1
02		208 36.2	N15 52.9	040.4	-16.6
03		223 36.3	N15 52.2	053.2	-09.3
04		238 36.4	N15 51.5	064.9	-00.2
05		253 36.5	N15 50.7	075.9	+08.7
06		268 36.6	N15 50.0	086.7	+18.6
07		283 36.7	N15 49.3	098.1	+28.5
08		298 36.8	N15 48.6	111.0	+38.2
09		313 36.8	N15 47.9	126.6	+46.9
10		328 36.9	N15 47.1	146.6	+53.8
11		343 37.0	N15 46.4	171.5	+57.4
12		358 37.1	N15 45.7	198.1	+56.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		13 37.2	N15 45.0	221.3	+51.5
14		28 37.3	N15 44.2	239.5	+43.8
15		43 37.4	N15 43.5	253.9	+34.6
16		58 37.5	N15 42.8	266.1	+24.8
17		73 37.6	N15 42.1	277.2	+14.8
18		88 37.6	N15 41.3	288.0	+05.2
19		103 37.7	N15 40.6	299.2	-04.2
20		118 37.8	N15 39.9	311.2	-12.3
21		133 37.9	N15 39.1	324.5	-19.1
22		148 38.0	N15 38.4	339.2	-23.8
23		163 38.1	N15 37.7	354.9	-26.1
00	2026-08-10	178 38.2	N15 37.0	011.0	-25.6
01		193 38.3	N15 36.2	026.4	-22.4
02		208 38.4	N15 35.5	040.6	-16.8
03		223 38.5	N15 34.8	053.4	-09.5
04		238 38.6	N15 34.0	065.1	-00.3
05		253 38.6	N15 33.3	076.1	+08.6
06		268 38.7	N15 32.6	086.9	+18.4
07		283 38.8	N15 31.8	098.4	+28.3
08		298 38.9	N15 31.1	111.2	+38.0
09		313 39.0	N15 30.4	126.9	+46.7
10		328 39.1	N15 29.6	146.9	+53.5
11		343 39.2	N15 28.9	171.6	+57.1
12		358 39.3	N15 28.2	198.0	+56.2
13		13 39.4	N15 27.4	221.1	+51.2
14		28 39.5	N15 26.7	239.3	+43.5
15		43 39.6	N15 26.0	253.7	+34.4
16		58 39.7	N15 25.2	265.9	+24.5
17		73 39.8	N15 24.5	277.0	+14.6
18		88 39.9	N15 23.8	287.9	+04.9
19		103 40.0	N15 23.0	299.0	-04.4
20		118 40.1	N15 22.3	311.1	-12.6
21		133 40.2	N15 21.6	324.4	-19.4
22		148 40.3	N15 20.8	339.1	-24.1
23		163 40.4	N15 20.1	354.9	-26.4
00	2026-08-11	178 40.5	N15 19.3	011.1	-25.8
01		193 40.6	N15 18.6	026.5	-22.6
02		208 40.7	N15 17.9	040.8	-17.1
03		223 40.8	N15 17.1	053.6	-09.8
04		238 40.9	N15 16.4	065.3	-01.2
05		253 41.0	N15 15.6	076.3	+08.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		268 41.0	N15 14.9	087.2	+18.2
07		283 41.1	N15 14.1	098.6	+28.1
08		298 41.2	N15 13.4	111.5	+37.8
09		313 41.3	N15 12.7	127.2	+46.5
10		328 41.4	N15 11.9	147.1	+53.3
11		343 41.5	N15 11.2	171.7	+56.8
12		358 41.6	N15 10.4	198.0	+55.9
13		13 41.7	N15 09.7	221.0	+51.0
14		28 41.8	N15 08.9	239.1	+43.3
15		43 42.0	N15 08.2	253.5	+34.1
16		58 42.1	N15 07.4	265.7	+24.3
17		73 42.2	N15 06.7	276.8	+14.3
18		88 42.3	N15 06.0	287.7	+04.7
19		103 42.4	N15 05.2	298.9	-04.7
20		118 42.5	N15 04.5	311.0	-12.9
21		133 42.6	N15 03.7	324.3	-19.6
22		148 42.7	N15 03.0	339.1	-24.4
23		163 42.8	N15 02.2	355.0	-26.7
00	2026-08-12	178 42.9	N15 01.5	011.1	-26.1
01		193 43.0	N15 00.7	026.7	-22.9
02		208 43.1	N14 60.0	040.9	-17.3
03		223 43.2	N14 59.2	053.8	-10.0
04		238 43.3	N14 58.5	065.5	-01.4
05		253 43.4	N14 57.7	076.5	+08.2
06		268 43.5	N14 57.0	087.4	+18.0
07		283 43.6	N14 56.2	098.9	+27.9
08		298 43.7	N14 55.4	111.8	+37.6
09		313 43.8	N14 54.7	127.5	+46.2
10		328 43.9	N14 53.9	147.4	+53.0
11		343 44.0	N14 53.2	171.9	+56.5
12		358 44.1	N14 52.4	197.9	+55.6
13		13 44.2	N14 51.7	220.8	+50.7
14		28 44.3	N14 50.9	238.9	+43.0
15		43 44.5	N14 50.2	253.3	+33.9
16		58 44.6	N14 49.4	265.5	+24.1
17		73 44.7	N14 48.7	276.7	+14.1
18		88 44.8	N14 47.9	287.5	+04.4
19		103 44.9	N14 47.1	298.7	-04.9
20		118 45.0	N14 46.4	310.9	-13.2
21		133 45.1	N14 45.6	324.2	-19.9
22		148 45.2	N14 44.9	339.1	-24.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		163 45.3	N14 44.1	355.0	-27.0
00	2026-08-13	178 45.4	N14 43.3	011.2	-26.4
01		193 45.5	N14 42.6	026.8	-23.2
02		208 45.6	N14 41.8	041.1	-17.6
03		223 45.8	N14 41.1	054.0	-10.2
04		238 45.9	N14 40.3	065.7	-01.6
05		253 46.0	N14 39.5	076.8	+08.0
06		268 46.1	N14 38.8	087.7	+17.8
07		283 46.2	N14 38.0	099.2	+27.7
08		298 46.3	N14 37.3	112.1	+37.3
09		313 46.4	N14 36.5	127.8	+46.0
10		328 46.5	N14 35.7	147.6	+52.7
11		343 46.6	N14 35.0	172.0	+56.2
12		358 46.8	N14 34.2	197.9	+55.3
13		13 46.9	N14 33.4	220.6	+50.4
14		28 47.0	N14 32.7	238.7	+42.7
15		43 47.1	N14 31.9	253.1	+33.6
16		58 47.2	N14 31.1	265.3	+23.8
17		73 47.3	N14 30.4	276.5	+13.8
18		88 47.4	N14 29.6	287.3	+04.2
19		103 47.5	N14 28.8	298.6	-05.2
20		118 47.7	N14 28.1	310.7	-13.5
21		133 47.8	N14 27.3	324.2	-20.2
22		148 47.9	N14 26.5	339.0	-25.0
23		163 48.0	N14 25.8	355.0	-27.3
00	2026-08-14	178 48.1	N14 25.0	011.3	-26.7
01		193 48.2	N14 24.2	027.0	-23.5
02		208 48.3	N14 23.5	041.3	-17.8
03		223 48.5	N14 22.7	054.2	-10.5
04		238 48.6	N14 21.9	066.0	-01.8
05		253 48.7	N14 21.1	077.0	+07.8
06		268 48.8	N14 20.4	087.9	+17.6
07		283 48.9	N14 19.6	099.4	+27.5
08		298 49.0	N14 18.8	112.4	+37.1
09		313 49.2	N14 18.1	128.0	+45.8
10		328 49.3	N14 17.3	147.9	+52.5
11		343 49.4	N14 16.5	172.1	+55.9
12		358 49.5	N14 15.7	197.9	+55.0
13		13 49.6	N14 15.0	220.5	+50.1
14		28 49.7	N14 14.2	238.5	+42.5
15		43 49.9	N14 13.4	252.9	+33.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		58 50.0	N14 12.6	265.1	+23.6
17		73 50.1	N14 11.9	276.3	+13.6
18		88 50.2	N14 11.1	287.2	+03.9
19		103 50.3	N14 10.3	298.4	-05.5
20		118 50.5	N14 09.5	310.6	-13.7
21		133 50.6	N14 08.8	324.1	-20.5
22		148 50.7	N14 08.0	339.0	-25.3
23		163 50.8	N14 07.2	355.1	-27.6
00	2026-08-15	178 50.9	N14 06.4	011.4	-27.0
01		193 51.1	N14 05.6	027.1	-23.7
02		208 51.2	N14 04.9	041.5	-18.1
03		223 51.3	N14 04.1	054.4	-10.7
04		238 51.4	N14 03.3	066.2	-02.0
05		253 51.5	N14 02.5	077.3	+07.6
06		268 51.7	N14 01.7	088.2	+17.4
07		283 51.8	N14 01.0	099.7	+27.4
08		298 51.9	N14 00.2	112.7	+36.9
09		313 52.0	N13 59.4	128.3	+45.5
10		328 52.2	N13 58.6	148.1	+52.2
11		343 52.3	N13 57.8	172.3	+55.6
12		358 52.4	N13 57.1	197.8	+54.7
13		13 52.5	N13 56.3	220.3	+49.8
14		28 52.7	N13 55.5	238.3	+42.2
15		43 52.8	N13 54.7	252.7	+33.1
16		58 52.9	N13 53.9	264.9	+23.3
17		73 53.0	N13 53.1	276.1	+13.3
18		88 53.2	N13 52.3	287.0	+03.7
19		103 53.3	N13 51.6	298.3	-05.8
20		118 53.4	N13 50.8	310.5	-14.0
21		133 53.5	N13 50.0	324.0	-20.8
22		148 53.7	N13 49.2	339.0	-25.6
23		163 53.8	N13 48.4	355.1	-27.9
00	2026-08-16	178 53.9	N13 47.6	011.5	-27.3
01		193 54.0	N13 46.8	027.3	-24.0
02		208 54.2	N13 46.0	041.7	-18.4
03		223 54.3	N13 45.3	054.6	-10.9
04		238 54.4	N13 44.5	066.4	-02.2
05		253 54.5	N13 43.7	077.5	+07.4
06		268 54.7	N13 42.9	088.5	+17.2
07		283 54.8	N13 42.1	100.0	+27.2
08		298 54.9	N13 41.3	113.0	+36.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		313 55.1	N13 40.5	128.6	+45.3
10		328 55.2	N13 39.7	148.4	+51.9
11		343 55.3	N13 38.9	172.4	+55.3
12		358 55.4	N13 38.1	197.8	+54.4
13		13 55.6	N13 37.3	220.2	+49.5
14		28 55.7	N13 36.6	238.1	+41.9
15		43 55.8	N13 35.8	252.5	+32.8
16		58 56.0	N13 35.0	264.7	+23.0
17		73 56.1	N13 34.2	275.9	+13.1
18		88 56.2	N13 33.4	286.8	+03.4
19		103 56.3	N13 32.6	298.1	-06.1
20		118 56.5	N13 31.8	310.3	-14.3
21		133 56.6	N13 31.0	323.9	-21.1
22		148 56.7	N13 30.2	338.9	-26.0
23		163 56.9	N13 29.4	355.1	-28.2
00	2026-08-17	178 57.0	N13 28.6	011.6	-27.6
01		193 57.1	N13 27.8	027.4	-24.3
02		208 57.3	N13 27.0	041.9	-18.6
03		223 57.4	N13 26.2	054.9	-11.2
04		238 57.5	N13 25.4	066.7	-02.4
05		253 57.7	N13 24.6	077.8	+07.2
06		268 57.8	N13 23.8	088.7	+17.0
07		283 57.9	N13 23.0	100.3	+27.0
08		298 58.1	N13 22.2	113.3	+36.5
09		313 58.2	N13 21.4	128.9	+45.1
10		328 58.3	N13 20.6	148.6	+51.6
11		343 58.5	N13 19.8	172.5	+55.0
12		358 58.6	N13 19.0	197.8	+54.1
13		13 58.7	N13 18.2	220.1	+49.2
14		28 58.9	N13 17.4	237.9	+41.6
15		43 59.0	N13 16.6	252.3	+32.5
16		58 59.1	N13 15.8	264.5	+22.8
17		73 59.3	N13 15.0	275.7	+12.8
18		88 59.4	N13 14.2	286.7	+03.1
19		103 59.6	N13 13.4	298.0	-06.3
20		118 59.7	N13 12.6	310.2	-14.6
21		133 59.8	N13 11.8	323.8	-21.5
22		148 60.0	N13 11.0	338.9	-26.3
23		164 00.1	N13 10.2	355.2	-28.5
00	2026-08-18	179 00.2	N13 09.4	011.7	-27.9
01		194 00.4	N13 08.6	027.6	-24.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		209 00.5	N13 07.8	042.1	-18.9
03		224 00.7	N13 07.0	055.1	-11.4
04		239 00.8	N13 06.2	066.9	-02.7
05		254 00.9	N13 05.3	078.0	+07.0
06		269 01.1	N13 04.5	089.0	+16.8
07		284 01.2	N13 03.7	100.6	+26.8
08		299 01.3	N13 02.9	113.6	+36.3
09		314 01.5	N13 02.1	129.2	+44.8
10		329 01.6	N13 01.3	148.9	+51.4
11		344 01.8	N13 00.5	172.7	+54.7
12		359 01.9	N12 59.7	197.7	+53.7
13		14 02.0	N12 58.9	219.9	+48.9
14		29 02.2	N12 58.1	237.7	+41.3
15		44 02.3	N12 57.3	252.1	+32.3
16		59 02.5	N12 56.4	264.4	+22.5
17		74 02.6	N12 55.6	275.6	+12.5
18		89 02.7	N12 54.8	286.5	+02.9
19		104 02.9	N12 54.0	297.8	-06.6
20		119 03.0	N12 53.2	310.1	-14.9
21		134 03.2	N12 52.4	323.7	-21.8
22		149 03.3	N12 51.6	338.9	-26.6
23		164 03.5	N12 50.8	355.2	-28.9
00	2026-08-19	179 03.6	N12 49.9	011.9	-28.3
01		194 03.7	N12 49.1	027.8	-24.9
02		209 03.9	N12 48.3	042.3	-19.1
03		224 04.0	N12 47.5	055.3	-11.6
04		239 04.2	N12 46.7	067.2	-02.9
05		254 04.3	N12 45.9	078.3	+06.8
06		269 04.5	N12 45.0	089.3	+16.6
07		284 04.6	N12 44.2	100.8	+26.5
08		299 04.7	N12 43.4	113.9	+36.1
09		314 04.9	N12 42.6	129.6	+44.6
10		329 05.0	N12 41.8	149.2	+51.1
11		344 05.2	N12 41.0	172.8	+54.3
12		359 05.3	N12 40.1	197.7	+53.4
13		14 05.5	N12 39.3	219.8	+48.6
14		29 05.6	N12 38.5	237.5	+41.0
15		44 05.8	N12 37.7	251.9	+32.0
16		59 05.9	N12 36.9	264.2	+22.2
17		74 06.1	N12 36.1	275.4	+12.3
18		89 06.2	N12 35.2	286.3	+02.6
19		104 06.3	N12 34.4	297.7	-06.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		119 06.5	N12 33.6	310.0	-15.2
21		134 06.6	N12 32.8	323.6	-22.1
22		149 06.8	N12 31.9	338.8	-26.9
23		164 06.9	N12 31.1	355.2	-29.2
00	2026-08-20	179 07.1	N12 30.3	012.0	-28.6
01		194 07.2	N12 29.5	028.0	-25.2
02		209 07.4	N12 28.7	042.5	-19.4
03		224 07.5	N12 27.8	055.6	-11.9
04		239 07.7	N12 27.0	067.4	-03.1
05		254 07.8	N12 26.2	078.5	+06.6
06		269 08.0	N12 25.4	089.6	+16.4
07		284 08.1	N12 24.5	101.1	+26.3
08		299 08.3	N12 23.7	114.2	+35.8
09		314 08.4	N12 22.9	129.9	+44.3
10		329 08.6	N12 22.1	149.4	+50.8
11		344 08.7	N12 21.2	173.0	+54.0
12		359 08.9	N12 20.4	197.7	+53.1
13		14 09.0	N12 19.6	219.6	+48.2
14		29 09.2	N12 18.8	237.3	+40.7
15		44 09.3	N12 17.9	251.7	+31.7
16		59 09.5	N12 17.1	264.0	+21.9
17		74 09.6	N12 16.3	275.2	+12.0
18		89 09.8	N12 15.4	286.2	+02.3
19		104 09.9	N12 14.6	297.5	-07.2
20		119 10.1	N12 13.8	309.8	-15.5
21		134 10.2	N12 13.0	323.5	-22.4
22		149 10.4	N12 12.1	338.8	-27.3
23		164 10.5	N12 11.3	355.3	-29.5
00	2026-08-21	179 10.7	N12 10.5	012.1	-28.9
01		194 10.9	N12 09.6	028.1	-25.5
02		209 11.0	N12 08.8	042.7	-19.7
03		224 11.2	N12 08.0	055.8	-12.1
04		239 11.3	N12 07.1	067.7	-03.3
05		254 11.5	N12 06.3	078.8	+06.4
06		269 11.6	N12 05.5	089.8	+16.2
07		284 11.8	N12 04.6	101.4	+26.1
08		299 11.9	N12 03.8	114.5	+35.6
09		314 12.1	N12 03.0	130.2	+44.1
10		329 12.2	N12 02.1	149.7	+50.5
11		344 12.4	N12 01.3	173.1	+53.7
12		359 12.5	N12 00.5	197.7	+52.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		14 12.7	N11 59.6	219.5	+47.9
14		29 12.9	N11 58.8	237.2	+40.4
15		44 13.0	N11 58.0	251.5	+31.4
16		59 13.2	N11 57.1	263.8	+21.6
17		74 13.3	N11 56.3	275.0	+11.7
18		89 13.5	N11 55.5	286.0	+02.1
19		104 13.6	N11 54.6	297.4	-07.5
20		119 13.8	N11 53.8	309.7	-15.9
21		134 14.0	N11 53.0	323.5	-22.8
22		149 14.1	N11 52.1	338.8	-27.6
23		164 14.3	N11 51.3	355.3	-29.9
00	2026-08-22	179 14.4	N11 50.4	012.2	-29.2
01		194 14.6	N11 49.6	028.3	-25.8
02		209 14.7	N11 48.8	043.0	-19.9
03		224 14.9	N11 47.9	056.1	-12.3
04		239 15.1	N11 47.1	067.9	-03.5
05		254 15.2	N11 46.2	079.1	+06.2
06		269 15.4	N11 45.4	090.1	+16.0
07		284 15.5	N11 44.6	101.7	+25.9
08		299 15.7	N11 43.7	114.8	+35.4
09		314 15.9	N11 42.9	130.5	+43.8
10		329 16.0	N11 42.0	150.0	+50.2
11		344 16.2	N11 41.2	173.3	+53.4
12		359 16.3	N11 40.4	197.7	+52.4
13		14 16.5	N11 39.5	219.4	+47.6
14		29 16.7	N11 38.7	237.0	+40.1
15		44 16.8	N11 37.8	251.3	+31.1
16		59 17.0	N11 37.0	263.6	+21.4
17		74 17.1	N11 36.1	274.8	+11.4
18		89 17.3	N11 35.3	285.8	+01.8
19		104 17.5	N11 34.5	297.2	-07.8
20		119 17.6	N11 33.6	309.6	-16.2
21		134 17.8	N11 32.8	323.4	-23.1
22		149 18.0	N11 31.9	338.8	-27.9
23		164 18.1	N11 31.1	355.4	-30.2
00	2026-08-23	179 18.3	N11 30.2	012.3	-29.5
01		194 18.4	N11 29.4	028.5	-26.1
02		209 18.6	N11 28.5	043.2	-20.2
03		224 18.8	N11 27.7	056.3	-12.6
04		239 18.9	N11 26.8	068.2	-03.8
05		254 19.1	N11 26.0	079.4	+06.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		269 19.3	N11 25.2	090.4	+15.8
07		284 19.4	N11 24.3	102.0	+25.7
08		299 19.6	N11 23.5	115.1	+35.2
09		314 19.8	N11 22.6	130.8	+43.5
10		329 19.9	N11 21.8	150.2	+49.9
11		344 20.1	N11 20.9	173.4	+53.0
12		359 20.2	N11 20.1	197.7	+52.0
13		14 20.4	N11 19.2	219.2	+47.2
14		29 20.6	N11 18.4	236.8	+39.8
15		44 20.7	N11 17.5	251.1	+30.8
16		59 20.9	N11 16.7	263.4	+21.1
17		74 21.1	N11 15.8	274.6	+11.1
18		89 21.2	N11 15.0	285.6	+01.5
19		104 21.4	N11 14.1	297.1	-08.1
20		119 21.6	N11 13.3	309.5	-16.5
21		134 21.7	N11 12.4	323.3	-23.4
22		149 21.9	N11 11.6	338.7	-28.3
23		164 22.1	N11 10.7	355.4	-30.5
00	2026-08-24	179 22.2	N11 09.8	012.5	-29.9
01		194 22.4	N11 09.0	028.7	-26.4
02		209 22.6	N11 08.1	043.4	-20.5
03		224 22.7	N11 07.3	056.6	-12.8
04		239 22.9	N11 06.4	068.5	-04.0
05		254 23.1	N11 05.6	079.6	+05.8
06		269 23.3	N11 04.7	090.7	+15.6
07		284 23.4	N11 03.9	102.3	+25.5
08		299 23.6	N11 03.0	115.4	+34.9
09		314 23.8	N11 02.2	131.1	+43.3
10		329 23.9	N11 01.3	150.5	+49.6
11		344 24.1	N11 00.4	173.6	+52.7
12		359 24.3	N10 59.6	197.6	+51.7
13		14 24.4	N10 58.7	219.1	+46.9
14		29 24.6	N10 57.9	236.6	+39.5
15		44 24.8	N10 57.0	250.9	+30.5
16		59 24.9	N10 56.2	263.2	+20.8
17		74 25.1	N10 55.3	274.4	+10.8
18		89 25.3	N10 54.4	285.5	+01.3
19		104 25.5	N10 53.6	296.9	-08.4
20		119 25.6	N10 52.7	309.3	-16.8
21		134 25.8	N10 51.9	323.2	-23.8
22		149 26.0	N10 51.0	338.7	-28.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		164 26.1	N10 50.1	355.5	-30.9
00	2026-08-25	179 26.3	N10 49.3	012.6	-30.2
01		194 26.5	N10 48.4	028.9	-26.7
02		209 26.7	N10 47.6	043.6	-20.8
03		224 26.8	N10 46.7	056.8	-13.1
04		239 27.0	N10 45.8	068.7	-04.2
05		254 27.2	N10 45.0	079.9	+05.6
06		269 27.4	N10 44.1	091.0	+15.4
07		284 27.5	N10 43.3	102.6	+25.3
08		299 27.7	N10 42.4	115.8	+34.7
09		314 27.9	N10 41.5	131.4	+43.0
10		329 28.0	N10 40.7	150.8	+49.3
11		344 28.2	N10 39.8	173.7	+52.4
12		359 28.4	N10 38.9	197.6	+51.3
13		14 28.6	N10 38.1	219.0	+46.6
14		29 28.7	N10 37.2	236.4	+39.2
15		44 28.9	N10 36.3	250.7	+30.2
16		59 29.1	N10 35.5	263.0	+20.5
17		74 29.3	N10 34.6	274.2	+10.5
18		89 29.4	N10 33.7	285.3	+01.0
19		104 29.6	N10 32.9	296.7	-08.8
20		119 29.8	N10 32.0	309.2	-17.2
21		134 30.0	N10 31.1	323.1	-24.1
22		149 30.1	N10 30.3	338.7	-29.0
23		164 30.3	N10 29.4	355.6	-31.2
00	2026-08-26	179 30.5	N10 28.5	012.7	-30.5
01		194 30.7	N10 27.7	029.1	-27.0
02		209 30.8	N10 26.8	043.9	-21.0
03		224 31.0	N10 25.9	057.1	-13.3
04		239 31.2	N10 25.1	069.0	-04.4
05		254 31.4	N10 24.2	080.2	+05.4
06		269 31.6	N10 23.3	091.3	+15.2
07		284 31.7	N10 22.5	103.0	+25.1
08		299 31.9	N10 21.6	116.1	+34.5
09		314 32.1	N10 20.7	131.8	+42.8
10		329 32.3	N10 19.9	151.1	+49.0
11		344 32.4	N10 19.0	173.9	+52.0
12		359 32.6	N10 18.1	197.6	+51.0
13		14 32.8	N10 17.2	218.9	+46.2
14		29 33.0	N10 16.4	236.3	+38.8
15		44 33.2	N10 15.5	250.5	+29.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		59 33.3	N10 14.6	262.8	+20.2
17		74 33.5	N10 13.8	274.1	+10.2
18		89 33.7	N10 12.9	285.1	+00.7
19		104 33.9	N10 12.0	296.6	-09.1
20		119 34.1	N10 11.1	309.1	-17.5
21		134 34.2	N10 10.3	323.0	-24.5
22		149 34.4	N10 09.4	338.7	-29.3
23		164 34.6	N10 08.5	355.6	-31.6
00	2026-08-27	179 34.8	N10 07.7	012.9	-30.9
01		194 35.0	N10 06.8	029.3	-27.3
02		209 35.1	N10 05.9	044.1	-21.3
03		224 35.3	N10 05.0	057.3	-13.6
04		239 35.5	N10 04.2	069.3	-04.7
05		254 35.7	N10 03.3	080.5	+05.1
06		269 35.9	N10 02.4	091.6	+15.0
07		284 36.0	N10 01.5	103.3	+24.9
08		299 36.2	N10 00.6	116.4	+34.2
09		314 36.4	N09 59.8	132.1	+42.5
10		329 36.6	N09 58.9	151.3	+48.7
11		344 36.8	N09 58.0	174.0	+51.7
12		359 36.9	N09 57.1	197.6	+50.6
13		14 37.1	N09 56.3	218.7	+45.9
14		29 37.3	N09 55.4	236.1	+38.5
15		44 37.5	N09 54.5	250.3	+29.6
16		59 37.7	N09 53.6	262.6	+19.9
17		74 37.9	N09 52.8	273.9	+09.9
18		89 38.0	N09 51.9	284.9	+00.4
19		104 38.2	N09 51.0	296.4	-09.4
20		119 38.4	N09 50.1	308.9	-17.8
21		134 38.6	N09 49.2	322.9	-24.8
22		149 38.8	N09 48.4	338.7	-29.7
23		164 39.0	N09 47.5	355.7	-31.9
00	2026-08-28	179 39.1	N09 46.6	013.0	-31.2
01		194 39.3	N09 45.7	029.5	-27.6
02		209 39.5	N09 44.8	044.4	-21.6
03		224 39.7	N09 43.9	057.6	-13.8
04		239 39.9	N09 43.1	069.6	-04.9
05		254 40.1	N09 42.2	080.8	+04.9
06		269 40.3	N09 41.3	091.9	+14.8
07		284 40.4	N09 40.4	103.6	+24.7
08		299 40.6	N09 39.5	116.7	+34.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		314 40.8	N09 38.7	132.4	+42.2
10		329 41.0	N09 37.8	151.6	+48.4
11		344 41.2	N09 36.9	174.2	+51.3
12		359 41.4	N09 36.0	197.6	+50.3
13		14 41.6	N09 35.1	218.6	+45.5
14		29 41.7	N09 34.2	235.9	+38.2
15		44 41.9	N09 33.4	250.1	+29.3
16		59 42.1	N09 32.5	262.4	+19.6
17		74 42.3	N09 31.6	273.7	+09.6
18		89 42.5	N09 30.7	284.8	+00.2
19		104 42.7	N09 29.8	296.3	-09.7
20		119 42.9	N09 28.9	308.8	-18.2
21		134 43.1	N09 28.0	322.9	-25.2
22		149 43.2	N09 27.2	338.6	-30.1
23		164 43.4	N09 26.3	355.7	-32.3
00	2026-08-29	179 43.6	N09 25.4	013.2	-31.5
01		194 43.8	N09 24.5	029.7	-27.9
02		209 44.0	N09 23.6	044.6	-21.9
03		224 44.2	N09 22.7	057.9	-14.1
04		239 44.4	N09 21.8	069.8	-05.1
05		254 44.6	N09 20.9	081.1	+04.7
06		269 44.7	N09 20.1	092.2	+14.6
07		284 44.9	N09 19.2	103.9	+24.4
08		299 45.1	N09 18.3	117.1	+33.8
09		314 45.3	N09 17.4	132.7	+42.0
10		329 45.5	N09 16.5	151.9	+48.1
11		344 45.7	N09 15.6	174.3	+51.0
12		359 45.9	N09 14.7	197.6	+49.9
13		14 46.1	N09 13.8	218.5	+45.2
14		29 46.3	N09 12.9	235.7	+37.8
15		44 46.5	N09 12.0	249.9	+28.9
16		59 46.6	N09 11.2	262.2	+19.2
17		74 46.8	N09 10.3	273.5	+09.3
18		89 47.0	N09 09.4	284.6	-00.1
19		104 47.2	N09 08.5	296.1	-10.1
20		119 47.4	N09 07.6	308.7	-18.5
21		134 47.6	N09 06.7	322.8	-25.5
22		149 47.8	N09 05.8	338.6	-30.4
23		164 48.0	N09 04.9	355.8	-32.7
00	2026-08-30	179 48.2	N09 04.0	013.3	-31.9
01		194 48.4	N09 03.1	029.9	-28.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		209 48.6	N09 02.2	044.9	-22.1
03		224 48.7	N09 01.3	058.1	-14.3
04		239 48.9	N09 00.4	070.1	-05.3
05		254 49.1	N08 59.5	081.4	+04.5
06		269 49.3	N08 58.7	092.5	+14.4
07		284 49.5	N08 57.8	104.2	+24.2
08		299 49.7	N08 56.9	117.4	+33.5
09		314 49.9	N08 56.0	133.1	+41.7
10		329 50.1	N08 55.1	152.2	+47.8
11		344 50.3	N08 54.2	174.5	+50.6
12		359 50.5	N08 53.3	197.6	+49.6
13		14 50.7	N08 52.4	218.4	+44.8
14		29 50.9	N08 51.5	235.6	+37.5
15		44 51.1	N08 50.6	249.7	+28.6
16		59 51.3	N08 49.7	262.0	+18.9
17		74 51.4	N08 48.8	273.3	+09.0
18		89 51.6	N08 47.9	284.4	-00.3
19		104 51.8	N08 47.0	295.9	-10.4
20		119 52.0	N08 46.1	308.5	-18.9
21		134 52.2	N08 45.2	322.7	-25.9
22		149 52.4	N08 44.3	338.6	-30.8
23		164 52.6	N08 43.4	355.9	-33.0
00	2026-08-31	179 52.8	N08 42.5	013.5	-32.2
01		194 53.0	N08 41.6	030.1	-28.5
02		209 53.2	N08 40.7	045.1	-22.4
03		224 53.4	N08 39.8	058.4	-14.6
04		239 53.6	N08 38.9	070.4	-05.6
05		254 53.8	N08 38.0	081.7	+04.3
06		269 54.0	N08 37.1	092.8	+14.2
07		284 54.2	N08 36.2	104.5	+24.0
08		299 54.4	N08 35.3	117.7	+33.3
09		314 54.6	N08 34.4	133.4	+41.4
10		329 54.8	N08 33.5	152.4	+47.4
11		344 55.0	N08 32.6	174.7	+50.3
12		359 55.2	N08 31.7	197.6	+49.2
13		14 55.4	N08 30.8	218.3	+44.5
14		29 55.5	N08 29.9	235.4	+37.2
15		44 55.7	N08 29.0	249.6	+28.3
16		59 55.9	N08 28.1	261.8	+18.6
17		74 56.1	N08 27.2	273.1	+08.7
18		89 56.3	N08 26.3	284.2	-01.3
19		104 56.5	N08 25.4	295.8	-10.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		119 56.7	N08 24.5	308.4	-19.2
21		134 56.9	N08 23.6	322.6	-26.2
22		149 57.1	N08 22.7	338.6	-31.2
23		164 57.3	N08 21.8	356.0	-33.4
00	2026-09-01	179 57.5	N08 20.9	013.6	-32.6
01		194 57.7	N08 20.0	030.4	-28.8
02		209 57.9	N08 19.0	045.4	-22.7
03		224 58.1	N08 18.1	058.7	-14.8
04		239 58.3	N08 17.2	070.7	-05.8
05		254 58.5	N08 16.3	082.0	+04.1
06		269 58.7	N08 15.4	093.1	+13.9
07		284 58.9	N08 14.5	104.9	+23.8
08		299 59.1	N08 13.6	118.1	+33.0
09		314 59.3	N08 12.7	133.7	+41.1
10		329 59.5	N08 11.8	152.7	+47.1
11		344 59.7	N08 10.9	174.8	+49.9
12		359 59.9	N08 10.0	197.6	+48.8
13		15 00.1	N08 09.1	218.2	+44.1
14		30 00.3	N08 08.2	235.2	+36.8
15		45 00.5	N08 07.3	249.4	+28.0
16		60 00.7	N08 06.4	261.6	+18.3
17		75 00.9	N08 05.4	272.9	+08.4
18		90 01.1	N08 04.5	284.1	-01.6
19		105 01.3	N08 03.6	295.6	-11.1
20		120 01.5	N08 02.7	308.3	-19.6
21		135 01.7	N08 01.8	322.5	-26.6
22		150 01.9	N08 00.9	338.6	-31.5
23		165 02.1	N07 60.0	356.0	-33.8
00	2026-09-02	180 02.3	N07 59.1	013.8	-32.9
01		195 02.5	N07 58.2	030.6	-29.1
02		210 02.7	N07 57.3	045.7	-23.0
03		225 02.9	N07 56.3	059.0	-15.1
04		240 03.1	N07 55.4	071.0	-06.0
05		255 03.3	N07 54.5	082.3	+03.9
06		270 03.5	N07 53.6	093.4	+13.7
07		285 03.7	N07 52.7	105.2	+23.5
08		300 03.9	N07 51.8	118.4	+32.8
09		315 04.1	N07 50.9	134.0	+40.9
10		330 04.3	N07 50.0	153.0	+46.8
11		345 04.5	N07 49.0	175.0	+49.6
12		0 04.7	N07 48.1	197.6	+48.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		15 04.9	N07 47.2	218.0	+43.7
14		30 05.1	N07 46.3	235.0	+36.5
15		45 05.3	N07 45.4	249.2	+27.6
16		60 05.5	N07 44.5	261.4	+18.0
17		75 05.7	N07 43.6	272.8	+08.0
18		90 05.9	N07 42.6	283.9	-02.0
19		105 06.1	N07 41.7	295.5	-11.4
20		120 06.3	N07 40.8	308.1	-19.9
21		135 06.6	N07 39.9	322.4	-27.0
22		150 06.8	N07 39.0	338.6	-31.9
23		165 07.0	N07 38.1	356.1	-34.1
00	2026-09-03	180 07.2	N07 37.2	014.0	-33.3
01		195 07.4	N07 36.2	030.8	-29.4
02		210 07.6	N07 35.3	045.9	-23.2
03		225 07.8	N07 34.4	059.3	-15.3
04		240 08.0	N07 33.5	071.3	-06.2
05		255 08.2	N07 32.6	082.6	+03.7
06		270 08.4	N07 31.7	093.7	+13.5
07		285 08.6	N07 30.7	105.5	+23.3
08		300 08.8	N07 29.8	118.7	+32.6
09		315 09.0	N07 28.9	134.4	+40.6
10		330 09.2	N07 28.0	153.3	+46.5
11		345 09.4	N07 27.1	175.1	+49.2
12		0 09.6	N07 26.2	197.7	+48.1
13		15 09.8	N07 25.2	217.9	+43.4
14		30 10.0	N07 24.3	234.9	+36.1
15		45 10.2	N07 23.4	249.0	+27.3
16		60 10.4	N07 22.5	261.2	+17.6
17		75 10.6	N07 21.6	272.6	+07.7
18		90 10.8	N07 20.6	283.7	-02.3
19		105 11.0	N07 19.7	295.3	-11.7
20		120 11.3	N07 18.8	308.0	-20.3
21		135 11.5	N07 17.9	322.3	-27.3
22		150 11.7	N07 17.0	338.5	-32.3
23		165 11.9	N07 16.0	356.2	-34.5
00	2026-09-04	180 12.1	N07 15.1	014.1	-33.6
01		195 12.3	N07 14.2	031.1	-29.8
02		210 12.5	N07 13.3	046.2	-23.5
03		225 12.7	N07 12.4	059.6	-15.6
04		240 12.9	N07 11.4	071.6	-06.5
05		255 13.1	N07 10.5	082.9	+03.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		270 13.3	N07 09.6	094.1	+13.3
07		285 13.5	N07 08.7	105.8	+23.1
08		300 13.7	N07 07.7	119.1	+32.3
09		315 13.9	N07 06.8	134.7	+40.3
10		330 14.1	N07 05.9	153.5	+46.2
11		345 14.4	N07 05.0	175.3	+48.8
12		0 14.6	N07 04.1	197.7	+47.7
13		15 14.8	N07 03.1	217.8	+43.0
14		30 15.0	N07 02.2	234.7	+35.8
15		45 15.2	N07 01.3	248.8	+26.9
16		60 15.4	N07 00.4	261.1	+17.3
17		75 15.6	N06 59.4	272.4	+07.4
18		90 15.8	N06 58.5	283.5	-02.6
19		105 16.0	N06 57.6	295.1	-12.1
20		120 16.2	N06 56.7	307.9	-20.6
21		135 16.4	N06 55.7	322.3	-27.7
22		150 16.6	N06 54.8	338.5	-32.7
23		165 16.8	N06 53.9	356.3	-34.9
00	2026-09-05	180 17.1	N06 53.0	014.3	-34.0
01		195 17.3	N06 52.0	031.3	-30.1
02		210 17.5	N06 51.1	046.5	-23.8
03		225 17.7	N06 50.2	059.9	-15.8
04		240 17.9	N06 49.3	071.9	-06.7
05		255 18.1	N06 48.3	083.2	+03.3
06		270 18.3	N06 47.4	094.4	+13.1
07		285 18.5	N06 46.5	106.2	+22.9
08		300 18.7	N06 45.5	119.4	+32.1
09		315 18.9	N06 44.6	135.0	+40.0
10		330 19.1	N06 43.7	153.8	+45.8
11		345 19.4	N06 42.8	175.4	+48.5
12		0 19.6	N06 41.8	197.7	+47.3
13		15 19.8	N06 40.9	217.7	+42.6
14		30 20.0	N06 40.0	234.6	+35.4
15		45 20.2	N06 39.0	248.6	+26.6
16		60 20.4	N06 38.1	260.9	+17.0
17		75 20.6	N06 37.2	272.2	+07.1
18		90 20.8	N06 36.3	283.3	-03.0
19		105 21.0	N06 35.3	295.0	-12.4
20		120 21.2	N06 34.4	307.7	-21.0
21		135 21.4	N06 33.5	322.2	-28.1
22		150 21.7	N06 32.5	338.5	-33.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		165 21.9	N06 31.6	356.3	-35.2
00	2026-09-06	180 22.1	N06 30.7	014.5	-34.3
01		195 22.3	N06 29.7	031.5	-30.4
02		210 22.5	N06 28.8	046.8	-24.1
03		225 22.7	N06 27.9	060.2	-16.1
04		240 22.9	N06 27.0	072.2	-06.9
05		255 23.1	N06 26.0	083.5	+03.0
06		270 23.3	N06 25.1	094.7	+12.9
07		285 23.6	N06 24.2	106.5	+22.6
08		300 23.8	N06 23.2	119.7	+31.8
09		315 24.0	N06 22.3	135.3	+39.7
10		330 24.2	N06 21.4	154.1	+45.5
11		345 24.4	N06 20.4	175.6	+48.1
12		0 24.6	N06 19.5	197.7	+46.9
13		15 24.8	N06 18.6	217.6	+42.3
14		30 25.0	N06 17.6	234.4	+35.0
15		45 25.2	N06 16.7	248.4	+26.3
16		60 25.5	N06 15.8	260.7	+16.6
17		75 25.7	N06 14.8	272.0	+06.7
18		90 25.9	N06 13.9	283.2	-03.3
19		105 26.1	N06 13.0	294.8	-12.8
20		120 26.3	N06 12.0	307.6	-21.3
21		135 26.5	N06 11.1	322.1	-28.4
22		150 26.7	N06 10.2	338.5	-33.4
23		165 26.9	N06 09.2	356.4	-35.6
00	2026-09-07	180 27.2	N06 08.3	014.7	-34.7
01		195 27.4	N06 07.4	031.8	-30.7
02		210 27.6	N06 06.4	047.0	-24.4
03		225 27.8	N06 05.5	060.5	-16.3
04		240 28.0	N06 04.6	072.5	-07.2
05		255 28.2	N06 03.6	083.8	+02.8
06		270 28.4	N06 02.7	095.0	+12.6
07		285 28.6	N06 01.7	106.8	+22.4
08		300 28.9	N06 00.8	120.1	+31.5
09		315 29.1	N05 59.9	135.7	+39.4
10		330 29.3	N05 58.9	154.4	+45.2
11		345 29.5	N05 58.0	175.7	+47.7
12		0 29.7	N05 57.1	197.7	+46.5
13		15 29.9	N05 56.1	217.5	+41.9
14		30 30.1	N05 55.2	234.2	+34.7
15		45 30.4	N05 54.2	248.2	+25.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		60 30.6	N05 53.3	260.5	+16.3
17		75 30.8	N05 52.4	271.8	+06.4
18		90 31.0	N05 51.4	283.0	-03.6
19		105 31.2	N05 50.5	294.7	-13.1
20		120 31.4	N05 49.6	307.5	-21.7
21		135 31.6	N05 48.6	322.0	-28.8
22		150 31.8	N05 47.7	338.5	-33.8
23		165 32.1	N05 46.7	356.5	-36.0
00	2026-09-08	180 32.3	N05 45.8	014.8	-35.0
01		195 32.5	N05 44.9	032.0	-31.0
02		210 32.7	N05 43.9	047.3	-24.7
03		225 32.9	N05 43.0	060.8	-16.6
04		240 33.1	N05 42.0	072.8	-07.4
05		255 33.4	N05 41.1	084.1	+02.6
06		270 33.6	N05 40.2	095.3	+12.4
07		285 33.8	N05 39.2	107.2	+22.2
08		300 34.0	N05 38.3	120.4	+31.3
09		315 34.2	N05 37.3	136.0	+39.1
10		330 34.4	N05 36.4	154.6	+44.8
11		345 34.6	N05 35.5	175.9	+47.4
12		0 34.9	N05 34.5	197.7	+46.2
13		15 35.1	N05 33.6	217.4	+41.5
14		30 35.3	N05 32.6	234.1	+34.3
15		45 35.5	N05 31.7	248.1	+25.6
16		60 35.7	N05 30.8	260.3	+16.0
17		75 35.9	N05 29.8	271.6	+06.1
18		90 36.1	N05 28.9	282.8	-04.0
19		105 36.4	N05 27.9	294.5	-13.5
20		120 36.6	N05 27.0	307.3	-22.1
21		135 36.8	N05 26.0	321.9	-29.2
22		150 37.0	N05 25.1	338.5	-34.2
23		165 37.2	N05 24.2	356.6	-36.4
00	2026-09-09	180 37.4	N05 23.2	015.0	-35.4
01		195 37.7	N05 22.3	032.3	-31.4
02		210 37.9	N05 21.3	047.6	-25.0
03		225 38.1	N05 20.4	061.1	-16.8
04		240 38.3	N05 19.4	073.1	-07.6
05		255 38.5	N05 18.5	084.4	+02.4
06		270 38.7	N05 17.6	095.7	+12.2
07		285 39.0	N05 16.6	107.5	+21.9
08		300 39.2	N05 15.7	120.7	+31.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		315 39.4	N05 14.7	136.3	+38.8
10		330 39.6	N05 13.8	154.9	+44.5
11		345 39.8	N05 12.8	176.1	+47.0
12		0 40.0	N05 11.9	197.7	+45.8
13		15 40.3	N05 10.9	217.3	+41.1
14		30 40.5	N05 10.0	233.9	+34.0
15		45 40.7	N05 09.1	247.9	+25.2
16		60 40.9	N05 08.1	260.1	+15.6
17		75 41.1	N05 07.2	271.4	+05.7
18		90 41.3	N05 06.2	282.6	-04.3
19		105 41.6	N05 05.3	294.3	-13.8
20		120 41.8	N05 04.3	307.2	-22.4
21		135 42.0	N05 03.4	321.8	-29.6
22		150 42.2	N05 02.4	338.5	-34.6
23		165 42.4	N05 01.5	356.7	-36.8
00	2026-09-10	180 42.6	N05 00.5	015.2	-35.7
01		195 42.9	N04 59.6	032.5	-31.7
02		210 43.1	N04 58.6	047.9	-25.2
03		225 43.3	N04 57.7	061.4	-17.1
04		240 43.5	N04 56.8	073.4	-07.9
05		255 43.7	N04 55.8	084.7	+02.2
06		270 43.9	N04 54.9	096.0	+12.0
07		285 44.2	N04 53.9	107.8	+21.7
08		300 44.4	N04 53.0	121.1	+30.8
09		315 44.6	N04 52.0	136.6	+38.5
10		330 44.8	N04 51.1	155.2	+44.1
11		345 45.0	N04 50.1	176.2	+46.6
12		0 45.3	N04 49.2	197.7	+45.4
13		15 45.5	N04 48.2	217.2	+40.7
14		30 45.7	N04 47.3	233.7	+33.6
15		45 45.9	N04 46.3	247.7	+24.9
16		60 46.1	N04 45.4	259.9	+15.3
17		75 46.3	N04 44.4	271.2	+05.4
18		90 46.6	N04 43.5	282.4	-04.7
19		105 46.8	N04 42.5	294.2	-14.2
20		120 47.0	N04 41.6	307.1	-22.8
21		135 47.2	N04 40.6	321.7	-30.0
22		150 47.4	N04 39.7	338.5	-35.0
23		165 47.7	N04 38.7	356.8	-37.1
00	2026-09-11	180 47.9	N04 37.8	015.4	-36.1
01		195 48.1	N04 36.8	032.8	-32.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		210 48.3	N04 35.9	048.2	-25.5
03		225 48.5	N04 34.9	061.7	-17.4
04		240 48.8	N04 34.0	073.7	-08.1
05		255 49.0	N04 33.0	085.1	+02.0
06		270 49.2	N04 32.1	096.3	+11.7
07		285 49.4	N04 31.1	108.2	+21.5
08		300 49.6	N04 30.2	121.4	+30.5
09		315 49.8	N04 29.2	137.0	+38.2
10		330 50.1	N04 28.3	155.4	+43.8
11		345 50.3	N04 27.3	176.4	+46.2
12		0 50.5	N04 26.4	197.7	+45.0
13		15 50.7	N04 25.4	217.1	+40.4
14		30 50.9	N04 24.5	233.6	+33.2
15		45 51.2	N04 23.5	247.5	+24.5
16		60 51.4	N04 22.6	259.7	+14.9
17		75 51.6	N04 21.6	271.0	+05.1
18		90 51.8	N04 20.7	282.2	-05.0
19		105 52.0	N04 19.7	294.0	-14.5
20		120 52.3	N04 18.7	306.9	-23.2
21		135 52.5	N04 17.8	321.6	-30.3
22		150 52.7	N04 16.8	338.4	-35.4
23		165 52.9	N04 15.9	356.9	-37.5
00	2026-09-12	180 53.1	N04 14.9	015.6	-36.4
01		195 53.4	N04 14.0	033.1	-32.3
02		210 53.6	N04 13.0	048.5	-25.8
03		225 53.8	N04 12.1	062.0	-17.6
04		240 54.0	N04 11.1	074.1	-08.4
05		255 54.2	N04 10.2	085.4	+01.8
06		270 54.5	N04 09.2	096.6	+11.5
07		285 54.7	N04 08.3	108.5	+21.2
08		300 54.9	N04 07.3	121.7	+30.2
09		315 55.1	N04 06.4	137.3	+37.9
10		330 55.3	N04 05.4	155.7	+43.5
11		345 55.6	N04 04.4	176.5	+45.9
12		0 55.8	N04 03.5	197.7	+44.6
13		15 56.0	N04 02.5	217.0	+40.0
14		30 56.2	N04 01.6	233.4	+32.9
15		45 56.4	N04 00.6	247.3	+24.2
16		60 56.7	N03 59.7	259.5	+14.6
17		75 56.9	N03 58.7	270.9	+04.7
18		90 57.1	N03 57.8	282.1	-05.4
19		105 57.3	N03 56.8	293.8	-14.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		120 57.5	N03 55.8	306.8	-23.5
21		135 57.8	N03 54.9	321.5	-30.7
22		150 58.0	N03 53.9	338.4	-35.8
23		165 58.2	N03 53.0	357.0	-37.9
00	2026-09-13	180 58.4	N03 52.0	015.8	-36.8
01		195 58.7	N03 51.1	033.3	-32.7
02		210 58.9	N03 50.1	048.8	-26.1
03		225 59.1	N03 49.2	062.3	-17.9
04		240 59.3	N03 48.2	074.4	-08.6
05		255 59.5	N03 47.2	085.7	+01.6
06		270 59.8	N03 46.3	097.0	+11.3
07		285 60.0	N03 45.3	108.8	+21.0
08		301 00.2	N03 44.4	122.1	+30.0
09		316 00.4	N03 43.4	137.6	+37.6
10		331 00.6	N03 42.5	155.9	+43.1
11		346 00.9	N03 41.5	176.7	+45.5
12		1 01.1	N03 40.5	197.8	+44.2
13		16 01.3	N03 39.6	216.9	+39.6
14		31 01.5	N03 38.6	233.3	+32.5
15		46 01.7	N03 37.7	247.1	+23.8
16		61 02.0	N03 36.7	259.3	+14.3
17		76 02.2	N03 35.7	270.7	+04.4
18		91 02.4	N03 34.8	281.9	-05.7
19		106 02.6	N03 33.8	293.6	-15.2
20		121 02.9	N03 32.9	306.6	-23.9
21		136 03.1	N03 31.9	321.5	-31.1
22		151 03.3	N03 31.0	338.4	-36.1
23		166 03.5	N03 30.0	357.1	-38.3
00	2026-09-14	181 03.7	N03 29.0	016.0	-37.2
01		196 04.0	N03 28.1	033.6	-33.0
02		211 04.2	N03 27.1	049.1	-26.4
03		226 04.4	N03 26.2	062.6	-18.1
04		241 04.6	N03 25.2	074.7	-08.8
05		256 04.9	N03 24.2	086.0	+01.4
06		271 05.1	N03 23.3	097.3	+11.1
07		286 05.3	N03 22.3	109.1	+20.7
08		301 05.5	N03 21.4	122.4	+29.7
09		316 05.7	N03 20.4	137.9	+37.3
10		331 06.0	N03 19.4	156.2	+42.8
11		346 06.2	N03 18.5	176.8	+45.1
12		1 06.4	N03 17.5	197.8	+43.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		16 06.6	N03 16.6	216.8	+39.2
14		31 06.9	N03 15.6	233.1	+32.1
15		46 07.1	N03 14.6	247.0	+23.5
16		61 07.3	N03 13.7	259.1	+13.9
17		76 07.5	N03 12.7	270.5	+04.1
18		91 07.7	N03 11.8	281.7	-06.1
19		106 08.0	N03 10.8	293.5	-15.6
20		121 08.2	N03 09.8	306.5	-24.3
21		136 08.4	N03 08.9	321.4	-31.5
22		151 08.6	N03 07.9	338.4	-36.5
23		166 08.9	N03 07.0	357.2	-38.7
00	2026-09-15	181 09.1	N03 06.0	016.2	-37.5
01		196 09.3	N03 05.0	033.8	-33.3
02		211 09.5	N03 04.1	049.4	-26.7
03		226 09.7	N03 03.1	062.9	-18.4
04		241 10.0	N03 02.1	075.0	-09.1
05		256 10.2	N03 01.2	086.4	+01.2
06		271 10.4	N03 00.2	097.6	+10.8
07		286 10.6	N02 59.3	109.5	+20.5
08		301 10.9	N02 58.3	122.7	+29.5
09		316 11.1	N02 57.3	138.2	+37.0
10		331 11.3	N02 56.4	156.5	+42.4
11		346 11.5	N02 55.4	176.9	+44.7
12		1 11.7	N02 54.4	197.8	+43.4
13		16 12.0	N02 53.5	216.8	+38.8
14		31 12.2	N02 52.5	233.0	+31.7
15		46 12.4	N02 51.6	246.8	+23.1
16		61 12.6	N02 50.6	258.9	+13.6
17		76 12.9	N02 49.6	270.3	+03.7
18		91 13.1	N02 48.7	281.5	-06.4
19		106 13.3	N02 47.7	293.3	-16.0
20		121 13.5	N02 46.7	306.3	-24.6
21		136 13.7	N02 45.8	321.3	-31.9
22		151 14.0	N02 44.8	338.4	-36.9
23		166 14.2	N02 43.9	357.3	-39.1
00	2026-09-16	181 14.4	N02 42.9	016.4	-37.9
01		196 14.6	N02 41.9	034.1	-33.6
02		211 14.9	N02 41.0	049.7	-27.0
03		226 15.1	N02 40.0	063.2	-18.6
04		241 15.3	N02 39.0	075.3	-09.3
05		256 15.5	N02 38.1	086.7	+01.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		271 15.8	N02 37.1	097.9	+10.6
07		286 16.0	N02 36.1	109.8	+20.3
08		301 16.2	N02 35.2	123.1	+29.2
09		316 16.4	N02 34.2	138.5	+36.7
10		331 16.6	N02 33.2	156.7	+42.1
11		346 16.9	N02 32.3	177.1	+44.3
12		1 17.1	N02 31.3	197.8	+43.0
13		16 17.3	N02 30.4	216.7	+38.4
14		31 17.5	N02 29.4	232.8	+31.4
15		46 17.8	N02 28.4	246.6	+22.7
16		61 18.0	N02 27.5	258.8	+13.2
17		76 18.2	N02 26.5	270.1	+03.4
18		91 18.4	N02 25.5	281.3	-06.8
19		106 18.7	N02 24.6	293.1	-16.3
20		121 18.9	N02 23.6	306.2	-25.0
21		136 19.1	N02 22.6	321.2	-32.3
22		151 19.3	N02 21.7	338.4	-37.3
23		166 19.5	N02 20.7	357.4	-39.5
00	2026-09-17	181 19.8	N02 19.7	016.6	-38.2
01		196 20.0	N02 18.8	034.4	-34.0
02		211 20.2	N02 17.8	050.0	-27.2
03		226 20.4	N02 16.8	063.6	-18.9
04		241 20.7	N02 15.9	075.7	-09.5
05		256 20.9	N02 14.9	087.0	+00.8
06		271 21.1	N02 13.9	098.3	+10.4
07		286 21.3	N02 13.0	110.1	+20.0
08		301 21.6	N02 12.0	123.4	+28.9
09		316 21.8	N02 11.0	138.9	+36.4
10		331 22.0	N02 10.1	157.0	+41.7
11		346 22.2	N02 09.1	177.2	+44.0
12		1 22.4	N02 08.1	197.8	+42.6
13		16 22.7	N02 07.2	216.6	+38.0
14		31 22.9	N02 06.2	232.7	+31.0
15		46 23.1	N02 05.2	246.4	+22.4
16		61 23.3	N02 04.3	258.6	+12.9
17		76 23.6	N02 03.3	269.9	+03.1
18		91 23.8	N02 02.3	281.1	-07.1
19		106 24.0	N02 01.4	293.0	-16.7
20		121 24.2	N02 00.4	306.0	-25.4
21		136 24.5	N01 59.4	321.1	-32.7
22		151 24.7	N01 58.5	338.4	-37.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		166 24.9	N01 57.5	357.5	-39.8
00	2026-09-18	181 25.1	N01 56.5	016.8	-38.6
01		196 25.4	N01 55.6	034.7	-34.3
02		211 25.6	N01 54.6	050.3	-27.5
03		226 25.8	N01 53.6	063.9	-19.1
04		241 26.0	N01 52.7	076.0	-09.8
05		256 26.2	N01 51.7	087.3	+00.6
06		271 26.5	N01 50.7	098.6	+10.2
07		286 26.7	N01 49.8	110.5	+19.8
08		301 26.9	N01 48.8	123.7	+28.6
09		316 27.1	N01 47.8	139.2	+36.1
10		331 27.4	N01 46.9	157.2	+41.4
11		346 27.6	N01 45.9	177.4	+43.6
12		1 27.8	N01 44.9	197.8	+42.2
13		16 28.0	N01 44.0	216.5	+37.6
14		31 28.3	N01 43.0	232.5	+30.6
15		46 28.5	N01 42.0	246.2	+22.0
16		61 28.7	N01 41.1	258.4	+12.5
17		76 28.9	N01 40.1	269.7	+02.7
18		91 29.1	N01 39.1	280.9	-07.5
19		106 29.4	N01 38.1	292.8	-17.0
20		121 29.6	N01 37.2	305.9	-25.8
21		136 29.8	N01 36.2	321.0	-33.0
22		151 30.0	N01 35.2	338.4	-38.1
23		166 30.3	N01 34.3	357.6	-40.2
00	2026-09-19	181 30.5	N01 33.3	017.0	-39.0
01		196 30.7	N01 32.3	034.9	-34.6
02		211 30.9	N01 31.4	050.6	-27.8
03		226 31.2	N01 30.4	064.2	-19.4
04		241 31.4	N01 29.4	076.3	-10.0
05		256 31.6	N01 28.5	087.6	+00.4
06		271 31.8	N01 27.5	098.9	+09.9
07		286 32.0	N01 26.5	110.8	+19.5
08		301 32.3	N01 25.6	124.1	+28.4
09		316 32.5	N01 24.6	139.5	+35.8
10		331 32.7	N01 23.6	157.5	+41.0
11		346 32.9	N01 22.6	177.5	+43.2
12		1 33.2	N01 21.7	197.8	+41.8
13		16 33.4	N01 20.7	216.4	+37.3
14		31 33.6	N01 19.7	232.4	+30.2
15		46 33.8	N01 18.8	246.1	+21.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		61 34.1	N01 17.8	258.2	+12.2
17		76 34.3	N01 16.8	269.5	+02.4
18		91 34.5	N01 15.9	280.8	-07.8
19		106 34.7	N01 14.9	292.6	-17.4
20		121 34.9	N01 13.9	305.7	-26.1
21		136 35.2	N01 12.9	320.9	-33.4
22		151 35.4	N01 12.0	338.4	-38.5
23		166 35.6	N01 11.0	357.7	-40.6
00	2026-09-20	181 35.8	N01 10.0	017.2	-39.3
01		196 36.1	N01 09.1	035.2	-34.9
02		211 36.3	N01 08.1	050.9	-28.1
03		226 36.5	N01 07.1	064.5	-19.7
04		241 36.7	N01 06.2	076.6	-10.2
05		256 36.9	N01 05.2	088.0	+00.2
06		271 37.2	N01 04.2	099.2	+09.7
07		286 37.4	N01 03.2	111.1	+19.3
08		301 37.6	N01 02.3	124.4	+28.1
09		316 37.8	N01 01.3	139.8	+35.5
10		331 38.1	N01 00.3	157.7	+40.7
11		346 38.3	N00 59.4	177.6	+42.8
12		1 38.5	N00 58.4	197.8	+41.4
13		16 38.7	N00 57.4	216.3	+36.9
14		31 39.0	N00 56.4	232.2	+29.9
15		46 39.2	N00 55.5	245.9	+21.3
16		61 39.4	N00 54.5	258.0	+11.8
17		76 39.6	N00 53.5	269.3	+02.1
18		91 39.8	N00 52.6	280.6	-08.2
19		106 40.1	N00 51.6	292.4	-17.8
20		121 40.3	N00 50.6	305.6	-26.5
21		136 40.5	N00 49.7	320.8	-33.8
22		151 40.7	N00 48.7	338.3	-38.9
23		166 41.0	N00 47.7	357.8	-41.0
00	2026-09-21	181 41.2	N00 46.7	017.4	-39.7
01		196 41.4	N00 45.8	035.5	-35.2
02		211 41.6	N00 44.8	051.2	-28.4
03		226 41.8	N00 43.8	064.8	-19.9
04		241 42.1	N00 42.9	077.0	-10.5
05		256 42.3	N00 41.9	088.3	-00.0
06		271 42.5	N00 40.9	099.6	+09.5
07		286 42.7	N00 39.9	111.5	+19.0
08		301 43.0	N00 39.0	124.7	+27.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		316 43.2	N00 38.0	140.1	+35.2
10		331 43.4	N00 37.0	157.9	+40.3
11		346 43.6	N00 36.1	177.8	+42.4
12		1 43.8	N00 35.1	197.8	+41.0
13		16 44.1	N00 34.1	216.2	+36.5
14		31 44.3	N00 33.1	232.1	+29.5
15		46 44.5	N00 32.2	245.7	+20.9
16		61 44.7	N00 31.2	257.8	+11.5
17		76 44.9	N00 30.2	269.1	+01.8
18		91 45.2	N00 29.3	280.4	-08.5
19		106 45.4	N00 28.3	292.2	-18.1
20		121 45.6	N00 27.3	305.4	-26.9
21		136 45.8	N00 26.3	320.7	-34.2
22		151 46.1	N00 25.4	338.3	-39.3
23		166 46.3	N00 24.4	357.9	-41.4
00	2026-09-22	181 46.5	N00 23.4	017.6	-40.1
01		196 46.7	N00 22.4	035.8	-35.6
02		211 46.9	N00 21.5	051.6	-28.7
03		226 47.2	N00 20.5	065.2	-20.2
04		241 47.4	N00 19.5	077.3	-10.7
05		256 47.6	N00 18.6	088.6	-00.2
06		271 47.8	N00 17.6	099.9	+09.2
07		286 48.0	N00 16.6	111.8	+18.8
08		301 48.3	N00 15.6	125.0	+27.5
09		316 48.5	N00 14.7	140.4	+34.9
10		331 48.7	N00 13.7	158.2	+40.0
11		346 48.9	N00 12.7	177.9	+42.0
12		1 49.2	N00 11.8	197.9	+40.6
13		16 49.4	N00 10.8	216.1	+36.1
14		31 49.6	N00 09.8	231.9	+29.1
15		46 49.8	N00 08.8	245.5	+20.6
16		61 50.0	N00 07.9	257.6	+11.1
17		76 50.3	N00 06.9	268.9	+01.5
18		91 50.5	N00 05.9	280.2	-08.9
19		106 50.7	N00 04.9	292.1	-18.5
20		121 50.9	N00 04.0	305.3	-27.3
21		136 51.1	N00 03.0	320.6	-34.6
22		151 51.4	N00 02.0	338.3	-39.7
23		166 51.6	N00 01.1	358.0	-41.8
00	2026-09-23	181 51.8	N00 00.1	017.9	-40.4
01		196 52.0	S00 00.9	036.1	-35.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		211 52.2	S00 01.9	051.9	-29.0
03		226 52.5	S00 02.8	065.5	-20.4
04		241 52.7	S00 03.8	077.6	-11.0
05		256 52.9	S00 04.8	088.9	-01.1
06		271 53.1	S00 05.8	100.2	+09.0
07		286 53.3	S00 06.7	112.1	+18.5
08		301 53.6	S00 07.7	125.4	+27.3
09		316 53.8	S00 08.7	140.7	+34.6
10		331 54.0	S00 09.6	158.4	+39.6
11		346 54.2	S00 10.6	178.0	+41.6
12		1 54.4	S00 11.6	197.9	+40.2
13		16 54.7	S00 12.6	216.0	+35.7
14		31 54.9	S00 13.5	231.8	+28.7
15		46 55.1	S00 14.5	245.3	+20.2
16		61 55.3	S00 15.5	257.4	+10.8
17		76 55.5	S00 16.5	268.7	+01.1
18		91 55.8	S00 17.4	280.0	-09.2
19		106 56.0	S00 18.4	291.9	-18.8
20		121 56.2	S00 19.4	305.1	-27.6
21		136 56.4	S00 20.3	320.5	-35.0
22		151 56.6	S00 21.3	338.3	-40.1
23		166 56.9	S00 22.3	358.1	-42.2
00	2026-09-24	181 57.1	S00 23.3	018.1	-40.8
01		196 57.3	S00 24.2	036.4	-36.2
02		211 57.5	S00 25.2	052.2	-29.2
03		226 57.7	S00 26.2	065.8	-20.7
04		241 58.0	S00 27.2	077.9	-11.2
05		256 58.2	S00 28.1	089.3	-01.3
06		271 58.4	S00 29.1	100.5	+08.8
07		286 58.6	S00 30.1	112.4	+18.3
08		301 58.8	S00 31.0	125.7	+27.0
09		316 59.0	S00 32.0	141.0	+34.2
10		331 59.3	S00 33.0	158.6	+39.3
11		346 59.5	S00 34.0	178.2	+41.3
12		1 59.7	S00 34.9	197.9	+39.8
13		16 59.9	S00 35.9	215.9	+35.3
14		32 00.1	S00 36.9	231.6	+28.4
15		47 00.4	S00 37.9	245.2	+19.8
16		62 00.6	S00 38.8	257.2	+10.4
17		77 00.8	S00 39.8	268.6	+00.8
18		92 01.0	S00 40.8	279.8	-09.6
19		107 01.2	S00 41.8	291.7	-19.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		122 01.4	S00 42.7	305.0	-28.0
21		137 01.7	S00 43.7	320.4	-35.4
22		152 01.9	S00 44.7	338.3	-40.5
23		167 02.1	S00 45.6	358.2	-42.6
00	2026-09-25	182 02.3	S00 46.6	018.3	-41.2
01		197 02.5	S00 47.6	036.7	-36.5
02		212 02.8	S00 48.6	052.5	-29.5
03		227 03.0	S00 49.5	066.2	-20.9
04		242 03.2	S00 50.5	078.3	-11.4
05		257 03.4	S00 51.5	089.6	-01.5
06		272 03.6	S00 52.5	100.9	+08.5
07		287 03.8	S00 53.4	112.8	+18.0
08		302 04.1	S00 54.4	126.0	+26.7
09		317 04.3	S00 55.4	141.3	+33.9
10		332 04.5	S00 56.3	158.9	+38.9
11		347 04.7	S00 57.3	178.3	+40.9
12		2 04.9	S00 58.3	197.9	+39.4
13		17 05.1	S00 59.3	215.9	+34.9
14		32 05.4	S01 00.2	231.5	+28.0
15		47 05.6	S01 01.2	245.0	+19.5
16		62 05.8	S01 02.2	257.0	+10.1
17		77 06.0	S01 03.2	268.4	+00.5
18		92 06.2	S01 04.1	279.6	-09.9
19		107 06.4	S01 05.1	291.5	-19.6
20		122 06.7	S01 06.1	304.8	-28.4
21		137 06.9	S01 07.1	320.3	-35.8
22		152 07.1	S01 08.0	338.3	-40.9
23		167 07.3	S01 09.0	358.3	-43.0
00	2026-09-26	182 07.5	S01 10.0	018.5	-41.5
01		197 07.7	S01 10.9	037.0	-36.9
02		212 08.0	S01 11.9	052.8	-29.8
03		227 08.2	S01 12.9	066.5	-21.2
04		242 08.4	S01 13.9	078.6	-11.7
05		257 08.6	S01 14.8	089.9	-01.7
06		272 08.8	S01 15.8	101.2	+08.3
07		287 09.0	S01 16.8	113.1	+17.8
08		302 09.2	S01 17.8	126.3	+26.4
09		317 09.5	S01 18.7	141.6	+33.6
10		332 09.7	S01 19.7	159.1	+38.6
11		347 09.9	S01 20.7	178.4	+40.5
12		2 10.1	S01 21.6	197.9	+39.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		17 10.3	S01 22.6	215.8	+34.5
14		32 10.5	S01 23.6	231.3	+27.6
15		47 10.8	S01 24.6	244.8	+19.1
16		62 11.0	S01 25.5	256.9	+09.7
17		77 11.2	S01 26.5	268.2	+00.2
18		92 11.4	S01 27.5	279.4	-10.3
19		107 11.6	S01 28.5	291.3	-19.9
20		122 11.8	S01 29.4	304.7	-28.8
21		137 12.0	S01 30.4	320.2	-36.2
22		152 12.3	S01 31.4	338.3	-41.3
23		167 12.5	S01 32.3	358.4	-43.4
00	2026-09-27	182 12.7	S01 33.3	018.7	-41.9
01		197 12.9	S01 34.3	037.3	-37.2
02		212 13.1	S01 35.3	053.2	-30.1
03		227 13.3	S01 36.2	066.8	-21.4
04		242 13.5	S01 37.2	078.9	-11.9
05		257 13.8	S01 38.2	090.2	-02.0
06		272 14.0	S01 39.2	101.5	+08.1
07		287 14.2	S01 40.1	113.4	+17.5
08		302 14.4	S01 41.1	126.6	+26.1
09		317 14.6	S01 42.1	141.8	+33.3
10		332 14.8	S01 43.0	159.3	+38.2
11		347 15.0	S01 44.0	178.5	+40.1
12		2 15.2	S01 45.0	197.9	+38.7
13		17 15.5	S01 46.0	215.7	+34.1
14		32 15.7	S01 46.9	231.2	+27.2
15		47 15.9	S01 47.9	244.6	+18.8
16		62 16.1	S01 48.9	256.7	+09.4
17		77 16.3	S01 49.9	268.0	-00.1
18		92 16.5	S01 50.8	279.2	-10.6
19		107 16.7	S01 51.8	291.1	-20.3
20		122 16.9	S01 52.8	304.5	-29.1
21		137 17.2	S01 53.7	320.0	-36.5
22		152 17.4	S01 54.7	338.2	-41.7
23		167 17.6	S01 55.7	358.5	-43.7
00	2026-09-28	182 17.8	S01 56.7	019.0	-42.2
01		197 18.0	S01 57.6	037.6	-37.5
02		212 18.2	S01 58.6	053.5	-30.4
03		227 18.4	S01 59.6	067.1	-21.7
04		242 18.6	S02 00.5	079.2	-12.2
05		257 18.8	S02 01.5	090.6	-02.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		272 19.1	S02 02.5	101.8	+07.8
07		287 19.3	S02 03.5	113.7	+17.3
08		302 19.5	S02 04.4	126.9	+25.9
09		317 19.7	S02 05.4	142.1	+33.0
10		332 19.9	S02 06.4	159.6	+37.8
11		347 20.1	S02 07.4	178.7	+39.7
12		2 20.3	S02 08.3	197.9	+38.3
13		17 20.5	S02 09.3	215.6	+33.7
14		32 20.7	S02 10.3	231.0	+26.9
15		47 21.0	S02 11.2	244.5	+18.4
16		62 21.2	S02 12.2	256.5	+09.0
17		77 21.4	S02 13.2	267.8	-00.3
18		92 21.6	S02 14.2	279.0	-11.0
19		107 21.8	S02 15.1	291.0	-20.6
20		122 22.0	S02 16.1	304.3	-29.5
21		137 22.2	S02 17.1	319.9	-36.9
22		152 22.4	S02 18.0	338.2	-42.1
23		167 22.6	S02 19.0	358.6	-44.1
00	2026-09-29	182 22.8	S02 20.0	019.2	-42.6
01		197 23.1	S02 21.0	037.9	-37.8
02		212 23.3	S02 21.9	053.8	-30.7
03		227 23.5	S02 22.9	067.5	-22.0
04		242 23.7	S02 23.9	079.6	-12.4
05		257 23.9	S02 24.8	090.9	-02.4
06		272 24.1	S02 25.8	102.2	+07.6
07		287 24.3	S02 26.8	114.1	+17.0
08		302 24.5	S02 27.8	127.3	+25.6
09		317 24.7	S02 28.7	142.4	+32.6
10		332 24.9	S02 29.7	159.8	+37.5
11		347 25.1	S02 30.7	178.8	+39.3
12		2 25.3	S02 31.6	197.9	+37.9
13		17 25.6	S02 32.6	215.5	+33.3
14		32 25.8	S02 33.6	230.9	+26.5
15		47 26.0	S02 34.6	244.3	+18.0
16		62 26.2	S02 35.5	256.3	+08.7
17		77 26.4	S02 36.5	267.6	-01.3
18		92 26.6	S02 37.5	278.8	-11.3
19		107 26.8	S02 38.4	290.8	-21.0
20		122 27.0	S02 39.4	304.2	-29.9
21		137 27.2	S02 40.4	319.8	-37.3
22		152 27.4	S02 41.4	338.2	-42.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		167 27.6	S02 42.3	358.7	-44.5
00	2026-09-30	182 27.8	S02 43.3	019.4	-43.0
01		197 28.0	S02 44.3	038.1	-38.1
02		212 28.2	S02 45.2	054.1	-30.9
03		227 28.5	S02 46.2	067.8	-22.2
04		242 28.7	S02 47.2	079.9	-12.6
05		257 28.9	S02 48.1	091.2	-02.7
06		272 29.1	S02 49.1	102.5	+07.3
07		287 29.3	S02 50.1	114.4	+16.7
08		302 29.5	S02 51.1	127.6	+25.3
09		317 29.7	S02 52.0	142.7	+32.3
10		332 29.9	S02 53.0	160.0	+37.1
11		347 30.1	S02 54.0	178.9	+38.9
12		2 30.3	S02 54.9	197.9	+37.5
13		17 30.5	S02 55.9	215.4	+33.0
14		32 30.7	S02 56.9	230.8	+26.1
15		47 30.9	S02 57.8	244.1	+17.7
16		62 31.1	S02 58.8	256.1	+08.3
17		77 31.3	S02 59.8	267.4	-01.7
18		92 31.5	S03 00.8	278.6	-11.7
19		107 31.7	S03 01.7	290.6	-21.3
20		122 31.9	S03 02.7	304.0	-30.2
21		137 32.1	S03 03.7	319.7	-37.7
22		152 32.3	S03 04.6	338.2	-42.9
23		167 32.6	S03 05.6	358.8	-44.9
00	2026-10-01	182 32.8	S03 06.6	019.6	-43.3
01		197 33.0	S03 07.5	038.4	-38.5
02		212 33.2	S03 08.5	054.5	-31.2
03		227 33.4	S03 09.5	068.1	-22.5
04		242 33.6	S03 10.5	080.2	-12.9
05		257 33.8	S03 11.4	091.5	-02.9
06		272 34.0	S03 12.4	102.8	+07.1
07		287 34.2	S03 13.4	114.7	+16.5
08		302 34.4	S03 14.3	127.9	+25.0
09		317 34.6	S03 15.3	143.0	+32.0
10		332 34.8	S03 16.3	160.2	+36.8
11		347 35.0	S03 17.2	179.0	+38.6
12		2 35.2	S03 18.2	197.9	+37.1
13		17 35.4	S03 19.2	215.3	+32.6
14		32 35.6	S03 20.1	230.6	+25.7
15		47 35.8	S03 21.1	243.9	+17.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		62 36.0	S03 22.1	255.9	+08.0
17		77 36.2	S03 23.0	267.2	-02.0
18		92 36.4	S03 24.0	278.4	-12.0
19		107 36.6	S03 25.0	290.4	-21.7
20		122 36.8	S03 26.0	303.8	-30.6
21		137 37.0	S03 26.9	319.6	-38.1
22		152 37.2	S03 27.9	338.2	-43.3
23		167 37.4	S03 28.9	358.9	-45.3
00	2026-10-02	182 37.6	S03 29.8	019.9	-43.7
01		197 37.8	S03 30.8	038.7	-38.8
02		212 38.0	S03 31.8	054.8	-31.5
03		227 38.2	S03 32.7	068.5	-22.7
04		242 38.4	S03 33.7	080.5	-13.1
05		257 38.6	S03 34.7	091.9	-03.1
06		272 38.8	S03 35.6	103.1	+06.9
07		287 39.0	S03 36.6	115.0	+16.2
08		302 39.2	S03 37.6	128.2	+24.7
09		317 39.4	S03 38.5	143.2	+31.7
10		332 39.6	S03 39.5	160.4	+36.4
11		347 39.8	S03 40.5	179.1	+38.2
12		2 40.0	S03 41.4	197.9	+36.7
13		17 40.2	S03 42.4	215.2	+32.2
14		32 40.4	S03 43.4	230.5	+25.4
15		47 40.6	S03 44.3	243.8	+17.0
16		62 40.8	S03 45.3	255.7	+07.6
17		77 41.0	S03 46.3	267.0	-02.4
18		92 41.2	S03 47.2	278.2	-12.3
19		107 41.4	S03 48.2	290.2	-22.0
20		122 41.6	S03 49.2	303.6	-31.0
21		137 41.8	S03 50.1	319.5	-38.5
22		152 42.0	S03 51.1	338.1	-43.7
23		167 42.2	S03 52.1	359.1	-45.7
00	2026-10-03	182 42.4	S03 53.0	020.1	-44.0
01		197 42.6	S03 54.0	039.1	-39.1
02		212 42.8	S03 55.0	055.1	-31.8
03		227 43.0	S03 55.9	068.8	-23.0
04		242 43.2	S03 56.9	080.9	-13.3
05		257 43.4	S03 57.9	092.2	-03.4
06		272 43.5	S03 58.8	103.4	+06.6
07		287 43.7	S03 59.8	115.3	+16.0
08		302 43.9	S04 00.8	128.5	+24.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		317 44.1	S04 01.7	143.5	+31.4
10		332 44.3	S04 02.7	160.6	+36.0
11		347 44.5	S04 03.7	179.2	+37.8
12		2 44.7	S04 04.6	197.9	+36.3
13		17 44.9	S04 05.6	215.1	+31.8
14		32 45.1	S04 06.6	230.3	+25.0
15		47 45.3	S04 07.5	243.6	+16.6
16		62 45.5	S04 08.5	255.5	+07.3
17		77 45.7	S04 09.5	266.8	-02.7
18		92 45.9	S04 10.4	278.0	-12.7
19		107 46.1	S04 11.4	290.0	-22.4
20		122 46.3	S04 12.4	303.5	-31.3
21		137 46.5	S04 13.3	319.3	-38.9
22		152 46.7	S04 14.3	338.1	-44.1
23		167 46.9	S04 15.2	359.2	-46.1
00	2026-10-04	182 47.1	S04 16.2	020.3	-44.4
01		197 47.2	S04 17.2	039.4	-39.4
02		212 47.4	S04 18.1	055.4	-32.1
03		227 47.6	S04 19.1	069.1	-23.2
04		242 47.8	S04 20.1	081.2	-13.6
05		257 48.0	S04 21.0	092.5	-03.6
06		272 48.2	S04 22.0	103.7	+06.4
07		287 48.4	S04 23.0	115.6	+15.7
08		302 48.6	S04 23.9	128.8	+24.1
09		317 48.8	S04 24.9	143.7	+31.0
10		332 49.0	S04 25.9	160.8	+35.7
11		347 49.2	S04 26.8	179.3	+37.4
12		2 49.4	S04 27.8	197.9	+35.9
13		17 49.5	S04 28.7	215.1	+31.4
14		32 49.7	S04 29.7	230.2	+24.6
15		47 49.9	S04 30.7	243.4	+16.3
16		62 50.1	S04 31.6	255.3	+07.0
17		77 50.3	S04 32.6	266.6	-03.0
18		92 50.5	S04 33.6	277.8	-13.0
19		107 50.7	S04 34.5	289.8	-22.7
20		122 50.9	S04 35.5	303.3	-31.7
21		137 51.1	S04 36.4	319.2	-39.2
22		152 51.3	S04 37.4	338.1	-44.5
23		167 51.5	S04 38.4	359.3	-46.5
00	2026-10-05	182 51.6	S04 39.3	020.6	-44.8
01		197 51.8	S04 40.3	039.7	-39.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		212 52.0	S04 41.3	055.8	-32.3
03		227 52.2	S04 42.2	069.4	-23.5
04		242 52.4	S04 43.2	081.5	-13.8
05		257 52.6	S04 44.1	092.8	-03.9
06		272 52.8	S04 45.1	104.0	+06.2
07		287 53.0	S04 46.1	115.9	+15.5
08		302 53.1	S04 47.0	129.0	+23.9
09		317 53.3	S04 48.0	144.0	+30.7
10		332 53.5	S04 49.0	161.0	+35.3
11		347 53.7	S04 49.9	179.4	+37.0
12		2 53.9	S04 50.9	197.9	+35.5
13		17 54.1	S04 51.8	215.0	+31.0
14		32 54.3	S04 52.8	230.0	+24.3
15		47 54.5	S04 53.8	243.2	+15.9
16		62 54.6	S04 54.7	255.1	+06.6
17		77 54.8	S04 55.7	266.4	-03.4
18		92 55.0	S04 56.6	277.6	-13.4
19		107 55.2	S04 57.6	289.6	-23.1
20		122 55.4	S04 58.6	303.1	-32.1
21		137 55.6	S04 59.5	319.1	-39.6
22		152 55.8	S05 00.5	338.0	-44.9
23		167 56.0	S05 01.4	359.4	-46.9
00	2026-10-06	182 56.1	S05 02.4	020.8	-45.1
01		197 56.3	S05 03.4	040.0	-40.0
02		212 56.5	S05 04.3	056.1	-32.6
03		227 56.7	S05 05.3	069.8	-23.7
04		242 56.9	S05 06.2	081.8	-14.1
05		257 57.1	S05 07.2	093.1	-04.1
06		272 57.2	S05 08.2	104.4	+05.9
07		287 57.4	S05 09.1	116.2	+15.2
08		302 57.6	S05 10.1	129.3	+23.6
09		317 57.8	S05 11.0	144.3	+30.4
10		332 58.0	S05 12.0	161.2	+35.0
11		347 58.2	S05 13.0	179.5	+36.6
12		2 58.3	S05 13.9	197.9	+35.1
13		17 58.5	S05 14.9	214.9	+30.6
14		32 58.7	S05 15.8	229.9	+23.9
15		47 58.9	S05 16.8	243.1	+15.6
16		62 59.1	S05 17.7	254.9	+06.3
17		77 59.3	S05 18.7	266.2	-03.7
18		92 59.4	S05 19.7	277.4	-13.7
19		107 59.6	S05 20.6	289.4	-23.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		122 59.8	S05 21.6	302.9	-32.4
21		137 60.0	S05 22.5	318.9	-40.0
22		153 00.2	S05 23.5	338.0	-45.3
23		168 00.3	S05 24.5	359.5	-47.2
00	2026-10-07	183 00.5	S05 25.4	021.0	-45.5
01		198 00.7	S05 26.4	040.3	-40.4
02		213 00.9	S05 27.3	056.4	-32.9
03		228 01.1	S05 28.3	070.1	-24.0
04		243 01.3	S05 29.2	082.1	-14.3
05		258 01.4	S05 30.2	093.4	-04.3
06		273 01.6	S05 31.1	104.7	+05.7
07		288 01.8	S05 32.1	116.5	+14.9
08		303 02.0	S05 33.1	129.6	+23.3
09		318 02.2	S05 34.0	144.5	+30.1
10		333 02.3	S05 35.0	161.4	+34.6
11		348 02.5	S05 35.9	179.6	+36.2
12		3 02.7	S05 36.9	197.9	+34.7
13		18 02.9	S05 37.8	214.8	+30.3
14		33 03.0	S05 38.8	229.7	+23.5
15		48 03.2	S05 39.8	242.9	+15.2
16		63 03.4	S05 40.7	254.7	+06.0
17		78 03.6	S05 41.7	266.0	-04.0
18		93 03.8	S05 42.6	277.2	-14.0
19		108 03.9	S05 43.6	289.2	-23.8
20		123 04.1	S05 44.5	302.7	-32.8
21		138 04.3	S05 45.5	318.8	-40.4
22		153 04.5	S05 46.4	338.0	-45.6
23		168 04.6	S05 47.4	359.6	-47.6
00	2026-10-08	183 04.8	S05 48.3	021.3	-45.8
01		198 05.0	S05 49.3	040.6	-40.7
02		213 05.2	S05 50.3	056.8	-33.2
03		228 05.3	S05 51.2	070.4	-24.2
04		243 05.5	S05 52.2	082.5	-14.5
05		258 05.7	S05 53.1	093.7	-04.6
06		273 05.9	S05 54.1	105.0	+05.4
07		288 06.1	S05 55.0	116.8	+14.7
08		303 06.2	S05 56.0	129.9	+23.0
09		318 06.4	S05 56.9	144.8	+29.7
10		333 06.6	S05 57.9	161.5	+34.2
11		348 06.8	S05 58.8	179.7	+35.9
12		3 06.9	S05 59.8	197.8	+34.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		18 07.1	S06 00.7	214.7	+29.9
14		33 07.3	S06 01.7	229.6	+23.2
15		48 07.4	S06 02.6	242.7	+14.9
16		63 07.6	S06 03.6	254.6	+05.6
17		78 07.8	S06 04.6	265.8	-04.4
18		93 08.0	S06 05.5	277.0	-14.4
19		108 08.1	S06 06.5	289.0	-24.1
20		123 08.3	S06 07.4	302.6	-33.1
21		138 08.5	S06 08.4	318.7	-40.7
22		153 08.7	S06 09.3	337.9	-46.0
23		168 08.8	S06 10.3	359.7	-48.0
00	2026-10-09	183 09.0	S06 11.2	021.5	-46.2
01		198 09.2	S06 12.2	040.9	-41.0
02		213 09.3	S06 13.1	057.1	-33.5
03		228 09.5	S06 14.1	070.7	-24.5
04		243 09.7	S06 15.0	082.8	-14.8
05		258 09.9	S06 16.0	094.0	-04.8
06		273 10.0	S06 16.9	105.3	+05.2
07		288 10.2	S06 17.9	117.1	+14.4
08		303 10.4	S06 18.8	130.2	+22.7
09		318 10.5	S06 19.8	145.0	+29.4
10		333 10.7	S06 20.7	161.7	+33.9
11		348 10.9	S06 21.7	179.8	+35.5
12		3 11.1	S06 22.6	197.8	+33.9
13		18 11.2	S06 23.6	214.6	+29.5
14		33 11.4	S06 24.5	229.4	+22.8
15		48 11.6	S06 25.5	242.5	+14.5
16		63 11.7	S06 26.4	254.4	+05.3
17		78 11.9	S06 27.4	265.6	-04.7
18		93 12.1	S06 28.3	276.8	-14.7
19		108 12.2	S06 29.3	288.8	-24.5
20		123 12.4	S06 30.2	302.4	-33.5
21		138 12.6	S06 31.2	318.5	-41.1
22		153 12.7	S06 32.1	337.9	-46.4
23		168 12.9	S06 33.0	359.8	-48.4
00	2026-10-10	183 13.1	S06 34.0	021.7	-46.5
01		198 13.2	S06 34.9	041.2	-41.3
02		213 13.4	S06 35.9	057.4	-33.7
03		228 13.6	S06 36.8	071.1	-24.7
04		243 13.7	S06 37.8	083.1	-15.0
05		258 13.9	S06 38.7	094.3	-05.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		273 14.1	S06 39.7	105.6	+05.0
07		288 14.2	S06 40.6	117.4	+14.1
08		303 14.4	S06 41.6	130.4	+22.4
09		318 14.6	S06 42.5	145.2	+29.1
10		333 14.7	S06 43.5	161.9	+33.5
11		348 14.9	S06 44.4	179.9	+35.1
12		3 15.1	S06 45.4	197.8	+33.6
13		18 15.2	S06 46.3	214.5	+29.1
14		33 15.4	S06 47.2	229.3	+22.4
15		48 15.6	S06 48.2	242.3	+14.2
16		63 15.7	S06 49.1	254.2	+05.0
17		78 15.9	S06 50.1	265.4	-05.0
18		93 16.0	S06 51.0	276.6	-15.0
19		108 16.2	S06 52.0	288.6	-24.8
20		123 16.4	S06 52.9	302.2	-33.8
21		138 16.5	S06 53.9	318.4	-41.5
22		153 16.7	S06 54.8	337.8	-46.8
23		168 16.9	S06 55.7	359.9	-48.8
00	2026-10-11	183 17.0	S06 56.7	021.9	-46.9
01		198 17.2	S06 57.6	041.5	-41.6
02		213 17.4	S06 58.6	057.7	-34.0
03		228 17.5	S06 59.5	071.4	-25.0
04		243 17.7	S07 00.5	083.4	-15.3
05		258 17.8	S07 01.4	094.6	-05.3
06		273 18.0	S07 02.3	105.9	+04.7
07		288 18.2	S07 03.3	117.7	+13.9
08		303 18.3	S07 04.2	130.7	+22.1
09		318 18.5	S07 05.2	145.5	+28.8
10		333 18.6	S07 06.1	162.1	+33.2
11		348 18.8	S07 07.1	179.9	+34.7
12		3 19.0	S07 08.0	197.8	+33.2
13		18 19.1	S07 08.9	214.4	+28.8
14		33 19.3	S07 09.9	229.1	+22.1
15		48 19.4	S07 10.8	242.2	+13.8
16		63 19.6	S07 11.8	254.0	+04.7
17		78 19.8	S07 12.7	265.1	-05.3
18		93 19.9	S07 13.7	276.4	-15.3
19		108 20.1	S07 14.6	288.4	-25.1
20		123 20.2	S07 15.5	302.0	-34.2
21		138 20.4	S07 16.5	318.2	-41.8
22		153 20.5	S07 17.4	337.8	-47.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		168 20.7	S07 18.4	360.0	-49.1
00	2026-10-12	183 20.9	S07 19.3	022.2	-47.2
01		198 21.0	S07 20.2	041.8	-41.9
02		213 21.2	S07 21.2	058.0	-34.3
03		228 21.3	S07 22.1	071.7	-25.2
04		243 21.5	S07 23.0	083.7	-15.5
05		258 21.6	S07 24.0	094.9	-05.5
06		273 21.8	S07 24.9	106.1	+04.5
07		288 22.0	S07 25.9	118.0	+13.6
08		303 22.1	S07 26.8	131.0	+21.8
09		318 22.3	S07 27.7	145.7	+28.4
10		333 22.4	S07 28.7	162.2	+32.8
11		348 22.6	S07 29.6	180.0	+34.4
12		3 22.7	S07 30.6	197.8	+32.8
13		18 22.9	S07 31.5	214.3	+28.4
14		33 23.0	S07 32.4	229.0	+21.7
15		48 23.2	S07 33.4	242.0	+13.5
16		63 23.3	S07 34.3	253.8	+04.3
17		78 23.5	S07 35.2	264.9	-05.7
18		93 23.7	S07 36.2	276.2	-15.7
19		108 23.8	S07 37.1	288.1	-25.4
20		123 24.0	S07 38.1	301.8	-34.5
21		138 24.1	S07 39.0	318.1	-42.2
22		153 24.3	S07 39.9	337.7	-47.6
23		168 24.4	S07 40.9	000.1	-49.5
00	2026-10-13	183 24.6	S07 41.8	022.4	-47.6
01		198 24.7	S07 42.7	042.1	-42.2
02		213 24.9	S07 43.7	058.4	-34.5
03		228 25.0	S07 44.6	072.0	-25.5
04		243 25.2	S07 45.5	084.0	-15.7
05		258 25.3	S07 46.5	095.2	-05.7
06		273 25.5	S07 47.4	106.4	+04.2
07		288 25.6	S07 48.3	118.2	+13.3
08		303 25.8	S07 49.3	131.2	+21.5
09		318 25.9	S07 50.2	145.9	+28.1
10		333 26.1	S07 51.1	162.4	+32.5
11		348 26.2	S07 52.1	180.1	+34.0
12		3 26.4	S07 53.0	197.8	+32.4
13		18 26.5	S07 53.9	214.2	+28.0
14		33 26.7	S07 54.9	228.8	+21.4
15		48 26.8	S07 55.8	241.8	+13.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		63 27.0	S07 56.7	253.6	+04.0
17		78 27.1	S07 57.7	264.7	-06.0
18		93 27.3	S07 58.6	275.9	-16.0
19		108 27.4	S07 59.5	287.9	-25.8
20		123 27.6	S08 00.5	301.6	-34.9
21		138 27.7	S08 01.4	317.9	-42.6
22		153 27.9	S08 02.3	337.7	-47.9
23		168 28.0	S08 03.3	000.2	-49.9
00	2026-10-14	183 28.2	S08 04.2	022.6	-47.9
01		198 28.3	S08 05.1	042.4	-42.5
02		213 28.4	S08 06.0	058.7	-34.8
03		228 28.6	S08 07.0	072.3	-25.7
04		243 28.7	S08 07.9	084.3	-16.0
05		258 28.9	S08 08.8	095.5	-06.0
06		273 29.0	S08 09.8	106.7	+04.0
07		288 29.2	S08 10.7	118.5	+13.1
08		303 29.3	S08 11.6	131.5	+21.2
09		318 29.5	S08 12.6	146.1	+27.8
10		333 29.6	S08 13.5	162.6	+32.1
11		348 29.7	S08 14.4	180.2	+33.6
12		3 29.9	S08 15.3	197.7	+32.0
13		18 30.0	S08 16.3	214.1	+27.6
14		33 30.2	S08 17.2	228.7	+21.0
15		48 30.3	S08 18.1	241.6	+12.8
16		63 30.5	S08 19.1	253.4	+03.7
17		78 30.6	S08 20.0	264.5	-06.3
18		93 30.8	S08 20.9	275.7	-16.3
19		108 30.9	S08 21.8	287.7	-26.1
20		123 31.0	S08 22.8	301.4	-35.2
21		138 31.2	S08 23.7	317.8	-42.9
22		153 31.3	S08 24.6	337.6	-48.3
23		168 31.5	S08 25.5	000.2	-50.3
00	2026-10-15	183 31.6	S08 26.5	022.9	-48.3
01		198 31.7	S08 27.4	042.7	-42.8
02		213 31.9	S08 28.3	059.0	-35.1
03		228 32.0	S08 29.2	072.6	-26.0
04		243 32.2	S08 30.2	084.6	-16.2
05		258 32.3	S08 31.1	095.8	-06.2
06		273 32.4	S08 32.0	107.0	+03.8
07		288 32.6	S08 32.9	118.8	+12.8
08		303 32.7	S08 33.9	131.7	+20.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		318 32.9	S08 34.8	146.4	+27.5
10		333 33.0	S08 35.7	162.7	+31.8
11		348 33.1	S08 36.6	180.2	+33.2
12		3 33.3	S08 37.6	197.7	+31.7
13		18 33.4	S08 38.5	214.0	+27.3
14		33 33.6	S08 39.4	228.5	+20.7
15		48 33.7	S08 40.3	241.5	+12.5
16		63 33.8	S08 41.3	253.2	+03.4
17		78 34.0	S08 42.2	264.3	-06.6
18		93 34.1	S08 43.1	275.5	-16.6
19		108 34.2	S08 44.0	287.5	-26.4
20		123 34.4	S08 44.9	301.2	-35.5
21		138 34.5	S08 45.9	317.6	-43.3
22		153 34.6	S08 46.8	337.5	-48.7
23		168 34.8	S08 47.7	000.3	-50.6
00	2026-10-16	183 34.9	S08 48.6	023.1	-48.6
01		198 35.1	S08 49.5	043.0	-43.1
02		213 35.2	S08 50.5	059.3	-35.4
03		228 35.3	S08 51.4	073.0	-26.2
04		243 35.5	S08 52.3	084.9	-16.4
05		258 35.6	S08 53.2	096.1	-06.5
06		273 35.7	S08 54.1	107.3	+03.5
07		288 35.9	S08 55.1	119.0	+12.6
08		303 36.0	S08 56.0	132.0	+20.7
09		318 36.1	S08 56.9	146.6	+27.2
10		333 36.3	S08 57.8	162.9	+31.4
11		348 36.4	S08 58.7	180.3	+32.9
12		3 36.5	S08 59.7	197.7	+31.3
13		18 36.7	S09 00.6	213.9	+26.9
14		33 36.8	S09 01.5	228.4	+20.3
15		48 36.9	S09 02.4	241.3	+12.2
16		63 37.0	S09 03.3	253.0	+03.1
17		78 37.2	S09 04.2	264.1	-06.9
18		93 37.3	S09 05.2	275.3	-16.9
19		108 37.4	S09 06.1	287.3	-26.7
20		123 37.6	S09 07.0	301.0	-35.9
21		138 37.7	S09 07.9	317.4	-43.6
22		153 37.8	S09 08.8	337.5	-49.0
23		168 38.0	S09 09.7	000.4	-51.0
00	2026-10-17	183 38.1	S09 10.7	023.3	-48.9
01		198 38.2	S09 11.6	043.3	-43.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		213 38.3	S09 12.5	059.6	-35.6
03		228 38.5	S09 13.4	073.3	-26.5
04		243 38.6	S09 14.3	085.2	-16.7
05		258 38.7	S09 15.2	096.4	-06.7
06		273 38.9	S09 16.2	107.6	+03.3
07		288 39.0	S09 17.1	119.3	+12.3
08		303 39.1	S09 18.0	132.2	+20.4
09		318 39.2	S09 18.9	146.8	+26.8
10		333 39.4	S09 19.8	163.0	+31.1
11		348 39.5	S09 20.7	180.3	+32.5
12		3 39.6	S09 21.6	197.7	+30.9
13		18 39.8	S09 22.5	213.8	+26.6
14		33 39.9	S09 23.5	228.2	+20.0
15		48 40.0	S09 24.4	241.1	+11.9
16		63 40.1	S09 25.3	252.8	+02.8
17		78 40.3	S09 26.2	263.9	-07.2
18		93 40.4	S09 27.1	275.1	-17.2
19		108 40.5	S09 28.0	287.1	-27.0
20		123 40.6	S09 28.9	300.8	-36.2
21		138 40.8	S09 29.8	317.3	-44.0
22		153 40.9	S09 30.7	337.4	-49.4
23		168 41.0	S09 31.7	000.5	-51.4
00	2026-10-18	183 41.1	S09 32.6	023.5	-49.3
01		198 41.2	S09 33.5	043.6	-43.7
02		213 41.4	S09 34.4	059.9	-35.9
03		228 41.5	S09 35.3	073.6	-26.7
04		243 41.6	S09 36.2	085.5	-16.9
05		258 41.7	S09 37.1	096.7	-06.9
06		273 41.9	S09 38.0	107.8	+03.1
07		288 42.0	S09 38.9	119.6	+12.0
08		303 42.1	S09 39.8	132.5	+20.1
09		318 42.2	S09 40.7	147.0	+26.5
10		333 42.3	S09 41.6	163.1	+30.7
11		348 42.5	S09 42.6	180.4	+32.1
12		3 42.6	S09 43.5	197.6	+30.6
13		18 42.7	S09 44.4	213.7	+26.2
14		33 42.8	S09 45.3	228.1	+19.7
15		48 42.9	S09 46.2	240.9	+11.5
16		63 43.1	S09 47.1	252.6	+02.5
17		78 43.2	S09 48.0	263.7	-07.5
18		93 43.3	S09 48.9	274.9	-17.5
19		108 43.4	S09 49.8	286.8	-27.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		123 43.5	S09 50.7	300.5	-36.5
21		138 43.7	S09 51.6	317.1	-44.3
22		153 43.8	S09 52.5	337.3	-49.8
23		168 43.9	S09 53.4	000.6	-51.7
00	2026-10-19	183 44.0	S09 54.3	023.8	-49.6
01		198 44.1	S09 55.2	043.9	-44.0
02		213 44.2	S09 56.1	060.3	-36.2
03		228 44.4	S09 57.0	073.9	-27.0
04		243 44.5	S09 57.9	085.8	-17.1
05		258 44.6	S09 58.8	097.0	-07.2
06		273 44.7	S09 59.7	108.1	+02.8
07		288 44.8	S10 00.6	119.8	+11.8
08		303 44.9	S10 01.5	132.7	+19.8
09		318 45.0	S10 02.4	147.2	+26.2
10		333 45.2	S10 03.3	163.3	+30.4
11		348 45.3	S10 04.2	180.5	+31.8
12		3 45.4	S10 05.1	197.6	+30.2
13		18 45.5	S10 06.1	213.6	+25.9
14		33 45.6	S10 07.0	227.9	+19.3
15		48 45.7	S10 07.9	240.7	+11.2
16		63 45.8	S10 08.8	252.4	+02.2
17		78 46.0	S10 09.6	263.5	-07.8
18		93 46.1	S10 10.5	274.6	-17.8
19		108 46.2	S10 11.4	286.6	-27.6
20		123 46.3	S10 12.3	300.3	-36.8
21		138 46.4	S10 13.2	316.9	-44.7
22		153 46.5	S10 14.1	337.3	-50.1
23		168 46.6	S10 15.0	000.7	-52.1
00	2026-10-20	183 46.7	S10 15.9	024.0	-49.9
01		198 46.8	S10 16.8	044.1	-44.3
02		213 47.0	S10 17.7	060.6	-36.4
03		228 47.1	S10 18.6	074.2	-27.2
04		243 47.2	S10 19.5	086.1	-17.4
05		258 47.3	S10 20.4	097.2	-07.4
06		273 47.4	S10 21.3	108.4	+02.6
07		288 47.5	S10 22.2	120.1	+11.5
08		303 47.6	S10 23.1	132.9	+19.5
09		318 47.7	S10 24.0	147.4	+25.9
10		333 47.8	S10 24.9	163.4	+30.0
11		348 47.9	S10 25.8	180.5	+31.4
12		3 48.0	S10 26.7	197.6	+29.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		18 48.2	S10 27.6	213.5	+25.5
14		33 48.3	S10 28.5	227.8	+19.0
15		48 48.4	S10 29.4	240.6	+10.9
16		63 48.5	S10 30.3	252.2	+02.0
17		78 48.6	S10 31.2	263.3	-08.1
18		93 48.7	S10 32.0	274.4	-18.1
19		108 48.8	S10 32.9	286.4	-27.9
20		123 48.9	S10 33.8	300.1	-37.1
21		138 49.0	S10 34.7	316.7	-45.0
22		153 49.1	S10 35.6	337.2	-50.5
23		168 49.2	S10 36.5	000.7	-52.4
00	2026-10-21	183 49.3	S10 37.4	024.2	-50.3
01		198 49.4	S10 38.3	044.4	-44.6
02		213 49.5	S10 39.2	060.9	-36.7
03		228 49.6	S10 40.1	074.5	-27.5
04		243 49.7	S10 41.0	086.4	-17.6
05		258 49.8	S10 41.9	097.5	-07.6
06		273 49.9	S10 42.7	108.6	+02.4
07		288 50.0	S10 43.6	120.3	+11.2
08		303 50.1	S10 44.5	133.2	+19.2
09		318 50.2	S10 45.4	147.5	+25.6
10		333 50.3	S10 46.3	163.5	+29.7
11		348 50.4	S10 47.2	180.5	+31.1
12		3 50.5	S10 48.1	197.5	+29.5
13		18 50.6	S10 49.0	213.4	+25.2
14		33 50.7	S10 49.8	227.6	+18.7
15		48 50.8	S10 50.7	240.4	+10.6
16		63 50.9	S10 51.6	252.0	+01.7
17		78 51.0	S10 52.5	263.1	-08.4
18		93 51.1	S10 53.4	274.2	-18.4
19		108 51.2	S10 54.3	286.2	-28.2
20		123 51.3	S10 55.2	299.9	-37.5
21		138 51.4	S10 56.0	316.5	-45.3
22		153 51.5	S10 56.9	337.1	-50.8
23		168 51.6	S10 57.8	000.8	-52.8
00	2026-10-22	183 51.7	S10 58.7	024.4	-50.6
01		198 51.8	S10 59.6	044.7	-44.9
02		213 51.9	S11 00.5	061.2	-37.0
03		228 52.0	S11 01.4	074.8	-27.7
04		243 52.1	S11 02.2	086.7	-17.9
05		258 52.2	S11 03.1	097.8	-07.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		273 52.3	S11 04.0	108.9	+02.1
07		288 52.4	S11 04.9	120.6	+11.0
08		303 52.5	S11 05.8	133.4	+18.9
09		318 52.6	S11 06.6	147.7	+25.2
10		333 52.7	S11 07.5	163.6	+29.4
11		348 52.8	S11 08.4	180.6	+30.7
12		3 52.9	S11 09.3	197.5	+29.1
13		18 53.0	S11 10.2	213.3	+24.8
14		33 53.1	S11 11.1	227.5	+18.3
15		48 53.2	S11 11.9	240.2	+10.3
16		63 53.3	S11 12.8	251.8	+01.4
17		78 53.3	S11 13.7	262.8	-08.7
18		93 53.4	S11 14.6	274.0	-18.7
19		108 53.5	S11 15.5	285.9	-28.5
20		123 53.6	S11 16.3	299.7	-37.8
21		138 53.7	S11 17.2	316.3	-45.7
22		153 53.8	S11 18.1	337.0	-51.2
23		168 53.9	S11 19.0	000.9	-53.1
00	2026-10-23	183 54.0	S11 19.8	024.6	-50.9
01		198 54.1	S11 20.7	045.0	-45.2
02		213 54.2	S11 21.6	061.5	-37.2
03		228 54.3	S11 22.5	075.1	-27.9
04		243 54.3	S11 23.3	086.9	-18.1
05		258 54.4	S11 24.2	098.1	-08.1
06		273 54.5	S11 25.1	109.1	+01.9
07		288 54.6	S11 26.0	120.8	+10.7
08		303 54.7	S11 26.8	133.6	+18.6
09		318 54.8	S11 27.7	147.9	+24.9
10		333 54.9	S11 28.6	163.8	+29.0
11		348 55.0	S11 29.5	180.6	+30.4
12		3 55.0	S11 30.3	197.4	+28.8
13		18 55.1	S11 31.2	213.2	+24.5
14		33 55.2	S11 32.1	227.3	+18.0
15		48 55.3	S11 33.0	240.0	+10.0
16		63 55.4	S11 33.8	251.6	+01.2
17		78 55.5	S11 34.7	262.6	-09.0
18		93 55.6	S11 35.6	273.7	-19.0
19		108 55.6	S11 36.5	285.7	-28.8
20		123 55.7	S11 37.3	299.4	-38.1
21		138 55.8	S11 38.2	316.2	-46.0
22		153 55.9	S11 39.1	336.9	-51.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		168 56.0	S11 39.9	000.9	-53.5
00	2026-10-24	183 56.1	S11 40.8	024.8	-51.3
01		198 56.1	S11 41.7	045.3	-45.5
02		213 56.2	S11 42.5	061.8	-37.5
03		228 56.3	S11 43.4	075.3	-28.2
04		243 56.4	S11 44.3	087.2	-18.3
05		258 56.5	S11 45.2	098.3	-08.4
06		273 56.6	S11 46.0	109.4	+01.7
07		288 56.6	S11 46.9	121.0	+10.5
08		303 56.7	S11 47.8	133.8	+18.3
09		318 56.8	S11 48.6	148.1	+24.6
10		333 56.9	S11 49.5	163.9	+28.7
11		348 57.0	S11 50.4	180.7	+30.0
12		3 57.0	S11 51.2	197.4	+28.4
13		18 57.1	S11 52.1	213.1	+24.1
14		33 57.2	S11 53.0	227.2	+17.7
15		48 57.3	S11 53.8	239.8	+09.7
16		63 57.4	S11 54.7	251.4	+00.9
17		78 57.4	S11 55.6	262.4	-09.3
18		93 57.5	S11 56.4	273.5	-19.2
19		108 57.6	S11 57.3	285.5	-29.1
20		123 57.7	S11 58.1	299.2	-38.4
21		138 57.7	S11 59.0	316.0	-46.3
22		153 57.8	S11 59.9	336.8	-51.9
23		168 57.9	S12 00.7	001.0	-53.8
00	2026-10-25	183 58.0	S12 01.6	025.0	-51.6
01		198 58.1	S12 02.5	045.6	-45.8
02		213 58.1	S12 03.3	062.1	-37.7
03		228 58.2	S12 04.2	075.6	-28.4
04		243 58.3	S12 05.0	087.5	-18.6
05		258 58.4	S12 05.9	098.6	-08.6
06		273 58.4	S12 06.8	109.6	+01.4
07		288 58.5	S12 07.6	121.3	+10.2
08		303 58.6	S12 08.5	134.0	+18.1
09		318 58.6	S12 09.3	148.2	+24.3
10		333 58.7	S12 10.2	164.0	+28.3
11		348 58.8	S12 11.1	180.7	+29.7
12		3 58.9	S12 11.9	197.3	+28.1
13		18 58.9	S12 12.8	213.0	+23.8
14		33 59.0	S12 13.6	227.0	+17.4
15		48 59.1	S12 14.5	239.6	+09.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		63 59.2	S12 15.4	251.2	+00.7
17		78 59.2	S12 16.2	262.2	-09.5
18		93 59.3	S12 17.1	273.3	-19.5
19		108 59.4	S12 17.9	285.2	-29.4
20		123 59.4	S12 18.8	299.0	-38.7
21		138 59.5	S12 19.6	315.8	-46.6
22		153 59.6	S12 20.5	336.7	-52.2
23		168 59.6	S12 21.3	001.1	-54.2
00	2026-10-26	183 59.7	S12 22.2	025.2	-51.9
01		198 59.8	S12 23.1	045.8	-46.1
02		213 59.8	S12 23.9	062.4	-38.0
03		228 59.9	S12 24.8	075.9	-28.7
04		243 60.0	S12 25.6	087.8	-18.8
05		259 00.1	S12 26.5	098.8	-08.8
06		274 00.1	S12 27.3	109.9	+01.2
07		289 00.2	S12 28.2	121.5	+09.9
08		304 00.3	S12 29.0	134.2	+17.8
09		319 00.3	S12 29.9	148.4	+24.0
10		334 00.4	S12 30.7	164.1	+28.0
11		349 00.4	S12 31.6	180.7	+29.3
12		4 00.5	S12 32.4	197.3	+27.7
13		19 00.6	S12 33.3	212.8	+23.5
14		34 00.6	S12 34.1	226.9	+17.1
15		49 00.7	S12 35.0	239.5	+09.1
16		64 00.8	S12 35.8	251.0	+00.4
17		79 00.8	S12 36.7	262.0	-09.8
18		94 00.9	S12 37.5	273.1	-19.8
19		109 01.0	S12 38.4	285.0	-29.7
20		124 01.0	S12 39.2	298.7	-38.9
21		139 01.1	S12 40.1	315.6	-46.9
22		154 01.1	S12 40.9	336.6	-52.6
23		169 01.2	S12 41.8	001.1	-54.5
00	2026-10-27	184 01.3	S12 42.6	025.4	-52.2
01		199 01.3	S12 43.5	046.1	-46.4
02		214 01.4	S12 44.3	062.6	-38.2
03		229 01.4	S12 45.2	076.2	-28.9
04		244 01.5	S12 46.0	088.0	-19.0
05		259 01.6	S12 46.8	099.1	-09.1
06		274 01.6	S12 47.7	110.1	+01.0
07		289 01.7	S12 48.5	121.7	+09.7
08		304 01.7	S12 49.4	134.4	+17.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		319 01.8	S12 50.2	148.6	+23.7
10		334 01.9	S12 51.1	164.2	+27.7
11		349 01.9	S12 51.9	180.7	+29.0
12		4 02.0	S12 52.8	197.2	+27.4
13		19 02.0	S12 53.6	212.7	+23.2
14		34 02.1	S12 54.4	226.7	+16.8
15		49 02.1	S12 55.3	239.3	+08.8
16		64 02.2	S12 56.1	250.8	+00.2
17		79 02.3	S12 57.0	261.8	-10.1
18		94 02.3	S12 57.8	272.8	-20.0
19		109 02.4	S12 58.6	284.8	-29.9
20		124 02.4	S12 59.5	298.5	-39.2
21		139 02.5	S13 00.3	315.3	-47.2
22		154 02.5	S13 01.2	336.5	-52.9
23		169 02.6	S13 02.0	001.1	-54.9
00	2026-10-28	184 02.6	S13 02.8	025.6	-52.5
01		199 02.7	S13 03.7	046.4	-46.6
02		214 02.7	S13 04.5	062.9	-38.5
03		229 02.8	S13 05.4	076.5	-29.1
04		244 02.8	S13 06.2	088.3	-19.2
05		259 02.9	S13 07.0	099.3	-09.3
06		274 02.9	S13 07.9	110.3	+00.8
07		289 03.0	S13 08.7	121.9	+09.4
08		304 03.0	S13 09.5	134.6	+17.2
09		319 03.1	S13 10.4	148.7	+23.4
10		334 03.1	S13 11.2	164.3	+27.4
11		349 03.2	S13 12.0	180.8	+28.7
12		4 03.2	S13 12.9	197.2	+27.1
13		19 03.3	S13 13.7	212.6	+22.9
14		34 03.3	S13 14.5	226.6	+16.5
15		49 03.4	S13 15.4	239.1	+08.5
16		64 03.4	S13 16.2	250.6	-00.0
17		79 03.5	S13 17.0	261.6	-10.3
18		94 03.5	S13 17.9	272.6	-20.3
19		109 03.6	S13 18.7	284.5	-30.2
20		124 03.6	S13 19.5	298.3	-39.5
21		139 03.7	S13 20.4	315.1	-47.5
22		154 03.7	S13 21.2	336.3	-53.2
23		169 03.8	S13 22.0	001.2	-55.2
00	2026-10-29	184 03.8	S13 22.9	025.8	-52.8
01		199 03.9	S13 23.7	046.7	-46.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		214 03.9	S13 24.5	063.2	-38.7
03		229 03.9	S13 25.3	076.7	-29.4
04		244 04.0	S13 26.2	088.5	-19.5
05		259 04.0	S13 27.0	099.6	-09.5
06		274 04.1	S13 27.8	110.6	+00.6
07		289 04.1	S13 28.7	122.1	+09.2
08		304 04.2	S13 29.5	134.8	+16.9
09		319 04.2	S13 30.3	148.9	+23.1
10		334 04.2	S13 31.1	164.4	+27.0
11		349 04.3	S13 32.0	180.8	+28.3
12		4 04.3	S13 32.8	197.1	+26.7
13		19 04.4	S13 33.6	212.5	+22.5
14		34 04.4	S13 34.4	226.4	+16.2
15		49 04.4	S13 35.3	238.9	+08.3
16		64 04.5	S13 36.1	250.4	-00.2
17		79 04.5	S13 36.9	261.3	-10.6
18		94 04.6	S13 37.7	272.4	-20.6
19		109 04.6	S13 38.6	284.3	-30.4
20		124 04.6	S13 39.4	298.0	-39.8
21		139 04.7	S13 40.2	314.9	-47.8
22		154 04.7	S13 41.0	336.2	-53.5
23		169 04.8	S13 41.8	001.2	-55.5
00	2026-10-30	184 04.8	S13 42.7	026.0	-53.2
01		199 04.8	S13 43.5	046.9	-47.2
02		214 04.9	S13 44.3	063.5	-39.0
03		229 04.9	S13 45.1	077.0	-29.6
04		244 04.9	S13 45.9	088.8	-19.7
05		259 05.0	S13 46.8	099.8	-09.8
06		274 05.0	S13 47.6	110.8	+00.4
07		289 05.0	S13 48.4	122.4	+08.9
08		304 05.1	S13 49.2	135.0	+16.6
09		319 05.1	S13 50.0	149.0	+22.8
10		334 05.1	S13 50.9	164.5	+26.7
11		349 05.2	S13 51.7	180.8	+28.0
12		4 05.2	S13 52.5	197.1	+26.4
13		19 05.2	S13 53.3	212.4	+22.2
14		34 05.3	S13 54.1	226.3	+15.9
15		49 05.3	S13 54.9	238.7	+08.0
16		64 05.3	S13 55.8	250.2	-01.1
17		79 05.4	S13 56.6	261.1	-10.8
18		94 05.4	S13 57.4	272.2	-20.8
19		109 05.4	S13 58.2	284.0	-30.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		124 05.5	S13 59.0	297.8	-40.0
21		139 05.5	S13 59.8	314.7	-48.1
22		154 05.5	S14 00.6	336.1	-53.9
23		169 05.6	S14 01.5	001.3	-55.8
00	2026-10-31	184 05.6	S14 02.3	026.2	-53.5
01		199 05.6	S14 03.1	047.2	-47.5
02		214 05.6	S14 03.9	063.8	-39.2
03		229 05.7	S14 04.7	077.3	-29.8
04		244 05.7	S14 05.5	089.0	-19.9
05		259 05.7	S14 06.3	100.0	-10.0
06		274 05.7	S14 07.1	111.0	+00.2
07		289 05.8	S14 07.9	122.6	+08.6
08		304 05.8	S14 08.7	135.1	+16.4
09		319 05.8	S14 09.6	149.1	+22.5
10		334 05.8	S14 10.4	164.5	+26.4
11		349 05.9	S14 11.2	180.8	+27.7
12		4 05.9	S14 12.0	197.0	+26.1
13		19 05.9	S14 12.8	212.3	+21.9
14		34 05.9	S14 13.6	226.1	+15.6
15		49 06.0	S14 14.4	238.6	+07.7
16		64 06.0	S14 15.2	250.0	-01.4
17		79 06.0	S14 16.0	260.9	-11.1
18		94 06.0	S14 16.8	271.9	-21.0
19		109 06.1	S14 17.6	283.8	-30.9
20		124 06.1	S14 18.4	297.5	-40.3
21		139 06.1	S14 19.2	314.5	-48.4
22		154 06.1	S14 20.0	335.9	-54.2
23		169 06.1	S14 20.8	001.3	-56.2
00	2026-11-01	184 06.2	S14 21.6	026.4	-53.8
01		199 06.2	S14 22.4	047.4	-47.8
02		214 06.2	S14 23.2	064.0	-39.5
03		229 06.2	S14 24.0	077.5	-30.1
04		244 06.2	S14 24.8	089.3	-20.2
05		259 06.3	S14 25.6	100.3	-10.2
06		274 06.3	S14 26.4	111.2	-00.0
07		289 06.3	S14 27.2	122.7	+08.4
08		304 06.3	S14 28.0	135.3	+16.1
09		319 06.3	S14 28.8	149.3	+22.2
10		334 06.3	S14 29.6	164.6	+26.1
11		349 06.4	S14 30.4	180.8	+27.3
12		4 06.4	S14 31.2	197.0	+25.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		19 06.4	S14 32.0	212.1	+21.6
14		34 06.4	S14 32.8	225.9	+15.3
15		49 06.4	S14 33.6	238.4	+07.5
16		64 06.4	S14 34.4	249.8	-01.6
17		79 06.5	S14 35.2	260.7	-11.3
18		94 06.5	S14 36.0	271.7	-21.3
19		109 06.5	S14 36.8	283.5	-31.2
20		124 06.5	S14 37.6	297.3	-40.6
21		139 06.5	S14 38.4	314.2	-48.7
22		154 06.5	S14 39.2	335.8	-54.5
23		169 06.5	S14 40.0	001.3	-56.5
00	2026-11-02	184 06.5	S14 40.8	026.6	-54.1
01		199 06.6	S14 41.6	047.7	-48.0
02		214 06.6	S14 42.4	064.3	-39.7
03		229 06.6	S14 43.2	077.8	-30.3
04		244 06.6	S14 44.0	089.5	-20.4
05		259 06.6	S14 44.7	100.5	-10.4
06		274 06.6	S14 45.5	111.4	-00.2
07		289 06.6	S14 46.3	122.9	+08.1
08		304 06.6	S14 47.1	135.5	+15.8
09		319 06.6	S14 47.9	149.4	+21.9
10		334 06.6	S14 48.7	164.7	+25.8
11		349 06.6	S14 49.5	180.8	+27.0
12		4 06.7	S14 50.3	196.9	+25.5
13		19 06.7	S14 51.1	212.0	+21.3
14		34 06.7	S14 51.8	225.8	+15.0
15		49 06.7	S14 52.6	238.2	+07.2
16		64 06.7	S14 53.4	249.6	-01.9
17		79 06.7	S14 54.2	260.5	-11.5
18		94 06.7	S14 55.0	271.5	-21.5
19		109 06.7	S14 55.8	283.3	-31.4
20		124 06.7	S14 56.6	297.0	-40.8
21		139 06.7	S14 57.3	314.0	-49.0
22		154 06.7	S14 58.1	335.6	-54.8
23		169 06.7	S14 58.9	001.3	-56.8
00	2026-11-03	184 06.7	S14 59.7	026.7	-54.4
01		199 06.7	S15 00.5	047.9	-48.3
02		214 06.7	S15 01.3	064.5	-40.0
03		229 06.7	S15 02.0	078.0	-30.5
04		244 06.7	S15 02.8	089.8	-20.6
05		259 06.7	S15 03.6	100.7	-10.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		274 06.7	S15 04.4	111.6	-01.1
07		289 06.7	S15 05.2	123.1	+07.9
08		304 06.7	S15 05.9	135.6	+15.5
09		319 06.7	S15 06.7	149.5	+21.6
10		334 06.7	S15 07.5	164.7	+25.5
11		349 06.7	S15 08.3	180.8	+26.7
12		4 06.7	S15 09.1	196.8	+25.2
13		19 06.7	S15 09.8	211.9	+21.0
14		34 06.7	S15 10.6	225.6	+14.8
15		49 06.7	S15 11.4	238.0	+07.0
16		64 06.7	S15 12.2	249.4	-02.1
17		79 06.7	S15 12.9	260.3	-11.8
18		94 06.7	S15 13.7	271.2	-21.7
19		109 06.7	S15 14.5	283.1	-31.7
20		124 06.7	S15 15.3	296.8	-41.1
21		139 06.7	S15 16.0	313.8	-49.2
22		154 06.7	S15 16.8	335.5	-55.1
23		169 06.7	S15 17.6	001.3	-57.1
00	2026-11-04	184 06.7	S15 18.4	026.9	-54.7
01		199 06.7	S15 19.1	048.2	-48.6
02		214 06.7	S15 19.9	064.8	-40.2
03		229 06.7	S15 20.7	078.3	-30.8
04		244 06.7	S15 21.4	090.0	-20.8
05		259 06.7	S15 22.2	100.9	-10.9
06		274 06.6	S15 23.0	111.8	-01.3
07		289 06.6	S15 23.8	123.3	+07.6
08		304 06.6	S15 24.5	135.8	+15.3
09		319 06.6	S15 25.3	149.6	+21.3
10		334 06.6	S15 26.1	164.8	+25.2
11		349 06.6	S15 26.8	180.8	+26.4
12		4 06.6	S15 27.6	196.7	+24.9
13		19 06.6	S15 28.4	211.8	+20.7
14		34 06.6	S15 29.1	225.5	+14.5
15		49 06.6	S15 29.9	237.8	+06.7
16		64 06.5	S15 30.7	249.2	-02.4
17		79 06.5	S15 31.4	260.0	-12.0
18		94 06.5	S15 32.2	271.0	-22.0
19		109 06.5	S15 33.0	282.8	-31.9
20		124 06.5	S15 33.7	296.5	-41.3
21		139 06.5	S15 34.5	313.5	-49.5
22		154 06.5	S15 35.3	335.3	-55.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		169 06.5	S15 36.0	001.3	-57.4
00	2026-11-05	184 06.4	S15 36.8	027.1	-55.0
01		199 06.4	S15 37.5	048.4	-48.8
02		214 06.4	S15 38.3	065.0	-40.5
03		229 06.4	S15 39.1	078.5	-31.0
04		244 06.4	S15 39.8	090.2	-21.1
05		259 06.4	S15 40.6	101.1	-11.1
06		274 06.3	S15 41.3	112.0	-01.6
07		289 06.3	S15 42.1	123.5	+07.4
08		304 06.3	S15 42.9	135.9	+15.0
09		319 06.3	S15 43.6	149.7	+21.0
10		334 06.3	S15 44.4	164.9	+24.9
11		349 06.3	S15 45.1	180.8	+26.1
12		4 06.2	S15 45.9	196.7	+24.6
13		19 06.2	S15 46.6	211.7	+20.5
14		34 06.2	S15 47.4	225.3	+14.2
15		49 06.2	S15 48.2	237.6	+06.5
16		64 06.2	S15 48.9	249.0	-02.6
17		79 06.1	S15 49.7	259.8	-12.2
18		94 06.1	S15 50.4	270.8	-22.2
19		109 06.1	S15 51.2	282.6	-32.1
20		124 06.1	S15 51.9	296.2	-41.5
21		139 06.1	S15 52.7	313.3	-49.8
22		154 06.0	S15 53.4	335.2	-55.7
23		169 06.0	S15 54.2	001.3	-57.7
00	2026-11-06	184 06.0	S15 54.9	027.2	-55.2
01		199 06.0	S15 55.7	048.6	-49.1
02		214 05.9	S15 56.4	065.3	-40.7
03		229 05.9	S15 57.2	078.7	-31.2
04		244 05.9	S15 57.9	090.4	-21.3
05		259 05.9	S15 58.7	101.3	-11.4
06		274 05.8	S15 59.4	112.2	-01.8
07		289 05.8	S16 00.2	123.6	+07.1
08		304 05.8	S16 00.9	136.1	+14.7
09		319 05.8	S16 01.7	149.8	+20.7
10		334 05.7	S16 02.4	164.9	+24.6
11		349 05.7	S16 03.2	180.8	+25.8
12		4 05.7	S16 03.9	196.6	+24.3
13		19 05.7	S16 04.7	211.5	+20.2
14		34 05.6	S16 05.4	225.1	+14.0
15		49 05.6	S16 06.2	237.4	+06.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		64 05.6	S16 06.9	248.8	-02.8
17		79 05.5	S16 07.6	259.6	-12.4
18		94 05.5	S16 08.4	270.5	-22.4
19		109 05.5	S16 09.1	282.3	-32.3
20		124 05.4	S16 09.9	296.0	-41.8
21		139 05.4	S16 10.6	313.0	-50.0
22		154 05.4	S16 11.4	335.0	-55.9
23		169 05.4	S16 12.1	001.3	-58.0
00	2026-11-07	184 05.3	S16 12.8	027.4	-55.5
01		199 05.3	S16 13.6	048.8	-49.3
02		214 05.3	S16 14.3	065.5	-40.9
03		229 05.2	S16 15.1	079.0	-31.4
04		244 05.2	S16 15.8	090.6	-21.5
05		259 05.2	S16 16.5	101.5	-11.6
06		274 05.1	S16 17.3	112.4	-02.0
07		289 05.1	S16 18.0	123.8	+06.9
08		304 05.1	S16 18.7	136.2	+14.5
09		319 05.0	S16 19.5	149.9	+20.5
10		334 05.0	S16 20.2	165.0	+24.3
11		349 04.9	S16 20.9	180.8	+25.5
12		4 04.9	S16 21.7	196.5	+24.0
13		19 04.9	S16 22.4	211.4	+19.9
14		34 04.8	S16 23.1	225.0	+13.7
15		49 04.8	S16 23.9	237.3	+06.0
16		64 04.8	S16 24.6	248.6	-03.0
17		79 04.7	S16 25.3	259.4	-12.6
18		94 04.7	S16 26.1	270.3	-22.6
19		109 04.6	S16 26.8	282.1	-32.5
20		124 04.6	S16 27.5	295.7	-42.0
21		139 04.6	S16 28.3	312.8	-50.3
22		154 04.5	S16 29.0	334.8	-56.2
23		169 04.5	S16 29.7	001.3	-58.3
00	2026-11-08	184 04.4	S16 30.5	027.5	-55.8
01		199 04.4	S16 31.2	049.1	-49.6
02		214 04.4	S16 31.9	065.8	-41.2
03		229 04.3	S16 32.6	079.2	-31.7
04		244 04.3	S16 33.4	090.8	-21.7
05		259 04.2	S16 34.1	101.7	-11.8
06		274 04.2	S16 34.8	112.6	-02.3
07		289 04.1	S16 35.5	124.0	+06.6
08		304 04.1	S16 36.3	136.4	+14.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		319 04.1	S16 37.0	150.0	+20.2
10		334 04.0	S16 37.7	165.0	+24.0
11		349 04.0	S16 38.4	180.7	+25.2
12		4 03.9	S16 39.2	196.4	+23.7
13		19 03.9	S16 39.9	211.3	+19.7
14		34 03.8	S16 40.6	224.8	+13.5
15		49 03.8	S16 41.3	237.1	+05.8
16		64 03.7	S16 42.1	248.4	-03.2
17		79 03.7	S16 42.8	259.2	-12.8
18		94 03.6	S16 43.5	270.1	-22.8
19		109 03.6	S16 44.2	281.8	-32.7
20		124 03.5	S16 44.9	295.5	-42.2
21		139 03.5	S16 45.7	312.5	-50.5
22		154 03.4	S16 46.4	334.6	-56.5
23		169 03.4	S16 47.1	001.3	-58.6
00	2026-11-09	184 03.4	S16 47.8	027.7	-56.1
01		199 03.3	S16 48.5	049.3	-49.9
02		214 03.3	S16 49.2	066.0	-41.4
03		229 03.2	S16 50.0	079.4	-31.9
04		244 03.1	S16 50.7	091.0	-21.9
05		259 03.1	S16 51.4	101.9	-12.0
06		274 03.0	S16 52.1	112.7	-02.5
07		289 03.0	S16 52.8	124.1	+06.4
08		304 02.9	S16 53.5	136.5	+14.0
09		319 02.9	S16 54.2	150.1	+19.9
10		334 02.8	S16 55.0	165.0	+23.7
11		349 02.8	S16 55.7	180.7	+24.9
12		4 02.7	S16 56.4	196.4	+23.4
13		19 02.7	S16 57.1	211.2	+19.4
14		34 02.6	S16 57.8	224.7	+13.3
15		49 02.6	S16 58.5	236.9	+05.6
16		64 02.5	S16 59.2	248.2	-03.4
17		79 02.5	S16 59.9	259.0	-13.0
18		94 02.4	S17 00.6	269.8	-23.0
19		109 02.3	S17 01.3	281.6	-32.9
20		124 02.3	S17 02.0	295.2	-42.4
21		139 02.2	S17 02.8	312.3	-50.7
22		154 02.2	S17 03.5	334.4	-56.8
23		169 02.1	S17 04.2	001.2	-58.9
00	2026-11-10	184 02.0	S17 04.9	027.8	-56.4
01		199 02.0	S17 05.6	049.5	-50.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		214 01.9	S17 06.3	066.2	-41.7
03		229 01.9	S17 07.0	079.6	-32.1
04		244 01.8	S17 07.7	091.2	-22.2
05		259 01.8	S17 08.4	102.1	-12.3
06		274 01.7	S17 09.1	112.9	-02.7
07		289 01.6	S17 09.8	124.3	+06.2
08		304 01.6	S17 10.5	136.6	+13.7
09		319 01.5	S17 11.2	150.2	+19.6
10		334 01.4	S17 11.9	165.1	+23.4
11		349 01.4	S17 12.6	180.7	+24.6
12		4 01.3	S17 13.3	196.3	+23.2
13		19 01.3	S17 14.0	211.0	+19.1
14		34 01.2	S17 14.7	224.5	+13.0
15		49 01.1	S17 15.4	236.7	+05.4
16		64 01.1	S17 16.1	248.0	-03.6
17		79 01.0	S17 16.8	258.7	-13.2
18		94 00.9	S17 17.5	269.6	-23.2
19		109 00.9	S17 18.2	281.3	-33.1
20		124 00.8	S17 18.9	294.9	-42.6
21		139 00.7	S17 19.6	312.0	-51.0
22		154 00.7	S17 20.3	334.2	-57.0
23		169 00.6	S17 20.9	001.2	-59.2
00	2026-11-11	184 00.5	S17 21.6	027.9	-56.6
01		199 00.5	S17 22.3	049.7	-50.4
02		214 00.4	S17 23.0	066.4	-41.9
03		229 00.3	S17 23.7	079.8	-32.3
04		244 00.3	S17 24.4	091.4	-22.4
05		259 00.2	S17 25.1	102.3	-12.5
06		274 00.1	S17 25.8	113.1	-03.0
07		289 00.1	S17 26.5	124.4	+05.9
08		303 60.0	S17 27.2	136.7	+13.4
09		318 59.9	S17 27.9	150.3	+19.4
10		333 59.8	S17 28.5	165.1	+23.1
11		348 59.8	S17 29.2	180.7	+24.4
12		3 59.7	S17 29.9	196.2	+22.9
13		18 59.6	S17 30.6	210.9	+18.9
14		33 59.6	S17 31.3	224.3	+12.8
15		48 59.5	S17 32.0	236.5	+05.2
16		63 59.4	S17 32.7	247.8	-03.8
17		78 59.3	S17 33.3	258.5	-13.4
18		93 59.3	S17 34.0	269.4	-23.3
19		108 59.2	S17 34.7	281.1	-33.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		123 59.1	S17 35.4	294.7	-42.8
21		138 59.0	S17 36.1	311.7	-51.2
22		153 59.0	S17 36.8	334.0	-57.3
23		168 58.9	S17 37.4	001.2	-59.4
00	2026-11-12	183 58.8	S17 38.1	028.0	-56.9
01		198 58.7	S17 38.8	049.9	-50.6
02		213 58.7	S17 39.5	066.6	-42.1
03		228 58.6	S17 40.2	080.0	-32.5
04		243 58.5	S17 40.8	091.6	-22.6
05		258 58.4	S17 41.5	102.4	-12.7
06		273 58.3	S17 42.2	113.2	-03.2
07		288 58.3	S17 42.9	124.5	+05.7
08		303 58.2	S17 43.5	136.8	+13.2
09		318 58.1	S17 44.2	150.4	+19.1
10		333 58.0	S17 44.9	165.1	+22.9
11		348 57.9	S17 45.6	180.6	+24.1
12		3 57.9	S17 46.2	196.1	+22.6
13		18 57.8	S17 46.9	210.8	+18.7
14		33 57.7	S17 47.6	224.2	+12.6
15		48 57.6	S17 48.3	236.3	+05.0
16		63 57.5	S17 48.9	247.6	-04.0
17		78 57.5	S17 49.6	258.3	-13.6
18		93 57.4	S17 50.3	269.1	-23.5
19		108 57.3	S17 50.9	280.8	-33.5
20		123 57.2	S17 51.6	294.4	-43.0
21		138 57.1	S17 52.3	311.5	-51.4
22		153 57.0	S17 52.9	333.8	-57.5
23		168 57.0	S17 53.6	001.1	-59.7
00	2026-11-13	183 56.9	S17 54.3	028.1	-57.2
01		198 56.8	S17 54.9	050.1	-50.9
02		213 56.7	S17 55.6	066.8	-42.3
03		228 56.6	S17 56.3	080.2	-32.8
04		243 56.5	S17 56.9	091.8	-22.8
05		258 56.4	S17 57.6	102.6	-12.9
06		273 56.4	S17 58.3	113.4	-03.4
07		288 56.3	S17 58.9	124.7	+05.5
08		303 56.2	S17 59.6	136.9	+12.9
09		318 56.1	S18 00.3	150.4	+18.8
10		333 56.0	S18 00.9	165.1	+22.6
11		348 55.9	S18 01.6	180.6	+23.8
12		3 55.8	S18 02.2	196.0	+22.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		18 55.7	S18 02.9	210.6	+18.4
14		33 55.6	S18 03.6	224.0	+12.4
15		48 55.6	S18 04.2	236.2	+04.8
16		63 55.5	S18 04.9	247.4	-04.2
17		78 55.4	S18 05.5	258.1	-13.7
18		93 55.3	S18 06.2	268.9	-23.7
19		108 55.2	S18 06.9	280.6	-33.6
20		123 55.1	S18 07.5	294.1	-43.2
21		138 55.0	S18 08.2	311.2	-51.6
22		153 54.9	S18 08.8	333.6	-57.8
23		168 54.8	S18 09.5	001.0	-60.0
00	2026-11-14	183 54.7	S18 10.1	028.2	-57.4
01		198 54.6	S18 10.8	050.2	-51.1
02		213 54.5	S18 11.4	067.0	-42.6
03		228 54.4	S18 12.1	080.4	-33.0
04		243 54.4	S18 12.7	092.0	-23.0
05		258 54.3	S18 13.4	102.8	-13.1
06		273 54.2	S18 14.0	113.5	-03.6
07		288 54.1	S18 14.7	124.8	+05.2
08		303 54.0	S18 15.4	137.0	+12.7
09		318 53.9	S18 16.0	150.5	+18.6
10		333 53.8	S18 16.6	165.1	+22.3
11		348 53.7	S18 17.3	180.5	+23.6
12		3 53.6	S18 17.9	195.9	+22.1
13		18 53.5	S18 18.6	210.5	+18.2
14		33 53.4	S18 19.2	223.8	+12.2
15		48 53.3	S18 19.9	236.0	+04.6
16		63 53.2	S18 20.5	247.2	-04.4
17		78 53.1	S18 21.2	257.9	-13.9
18		93 53.0	S18 21.8	268.7	-23.8
19		108 52.9	S18 22.5	280.3	-33.8
20		123 52.8	S18 23.1	293.9	-43.4
21		138 52.7	S18 23.7	310.9	-51.8
22		153 52.6	S18 24.4	333.4	-58.0
23		168 52.5	S18 25.0	001.0	-60.2
00	2026-11-15	183 52.4	S18 25.7	028.3	-57.7
01		198 52.3	S18 26.3	050.4	-51.3
02		213 52.2	S18 27.0	067.2	-42.8
03		228 52.1	S18 27.6	080.6	-33.2
04		243 52.0	S18 28.2	092.1	-23.2
05		258 51.9	S18 28.9	102.9	-13.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		273 51.8	S18 29.5	113.7	-03.9
07		288 51.7	S18 30.1	124.9	+05.0
08		303 51.5	S18 30.8	137.1	+12.5
09		318 51.4	S18 31.4	150.5	+18.3
10		333 51.3	S18 32.1	165.2	+22.1
11		348 51.2	S18 32.7	180.5	+23.3
12		3 51.1	S18 33.3	195.8	+21.9
13		18 51.0	S18 34.0	210.4	+18.0
14		33 50.9	S18 34.6	223.7	+12.0
15		48 50.8	S18 35.2	235.8	+04.4
16		63 50.7	S18 35.8	247.0	-04.5
17		78 50.6	S18 36.5	257.7	-14.1
18		93 50.5	S18 37.1	268.5	-24.0
19		108 50.4	S18 37.7	280.1	-34.0
20		123 50.3	S18 38.4	293.6	-43.5
21		138 50.1	S18 39.0	310.7	-52.0
22		153 50.0	S18 39.6	333.2	-58.2
23		168 49.9	S18 40.3	000.9	-60.5
00	2026-11-16	183 49.8	S18 40.9	028.4	-57.9
01		198 49.7	S18 41.5	050.6	-51.6
02		213 49.6	S18 42.1	067.4	-43.0
03		228 49.5	S18 42.8	080.8	-33.4
04		243 49.4	S18 43.4	092.3	-23.4
05		258 49.3	S18 44.0	103.1	-13.6
06		273 49.1	S18 44.6	113.8	-04.1
07		288 49.0	S18 45.3	125.0	+04.8
08		303 48.9	S18 45.9	137.2	+12.2
09		318 48.8	S18 46.5	150.6	+18.1
10		333 48.7	S18 47.1	165.2	+21.8
11		348 48.6	S18 47.7	180.5	+23.1
12		3 48.5	S18 48.4	195.7	+21.6
13		18 48.3	S18 49.0	210.2	+17.7
14		33 48.2	S18 49.6	223.5	+11.8
15		48 48.1	S18 50.2	235.6	+04.2
16		63 48.0	S18 50.8	246.8	-04.7
17		78 47.9	S18 51.5	257.5	-14.2
18		93 47.8	S18 52.1	268.2	-24.1
19		108 47.6	S18 52.7	279.8	-34.1
20		123 47.5	S18 53.3	293.3	-43.7
21		138 47.4	S18 53.9	310.4	-52.2
22		153 47.3	S18 54.5	332.9	-58.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		168 47.2	S18 55.1	000.8	-60.7
00	2026-11-17	183 47.0	S18 55.8	028.5	-58.2
01		198 46.9	S18 56.4	050.7	-51.8
02		213 46.8	S18 57.0	067.6	-43.2
03		228 46.7	S18 57.6	080.9	-33.6
04		243 46.6	S18 58.2	092.5	-23.6
05		258 46.4	S18 58.8	103.2	-13.8
06		273 46.3	S18 59.4	113.9	-04.3
07		288 46.2	S19 00.0	125.1	+04.6
08		303 46.1	S19 00.6	137.3	+12.0
09		318 46.0	S19 01.3	150.6	+17.8
10		333 45.8	S19 01.9	165.2	+21.6
11		348 45.7	S19 02.5	180.4	+22.8
12		3 45.6	S19 03.1	195.6	+21.4
13		18 45.5	S19 03.7	210.1	+17.5
14		33 45.3	S19 04.3	223.4	+11.6
15		48 45.2	S19 04.9	235.4	+04.1
16		63 45.1	S19 05.5	246.6	-04.9
17		78 45.0	S19 06.1	257.3	-14.4
18		93 44.8	S19 06.7	268.0	-24.3
19		108 44.7	S19 07.3	279.6	-34.2
20		123 44.6	S19 07.9	293.1	-43.8
21		138 44.5	S19 08.5	310.1	-52.4
22		153 44.3	S19 09.1	332.7	-58.7
23		168 44.2	S19 09.7	000.7	-61.0
00	2026-11-18	183 44.1	S19 10.3	028.6	-58.4
01		198 43.9	S19 10.9	050.9	-52.0
02		213 43.8	S19 11.5	067.7	-43.4
03		228 43.7	S19 12.1	081.1	-33.8
04		243 43.6	S19 12.7	092.6	-23.9
05		258 43.4	S19 13.3	103.3	-14.0
06		273 43.3	S19 13.9	114.0	-04.5
07		288 43.2	S19 14.5	125.2	+04.3
08		303 43.0	S19 15.1	137.4	+11.7
09		318 42.9	S19 15.7	150.7	+17.6
10		333 42.8	S19 16.3	165.2	+21.3
11		348 42.6	S19 16.9	180.4	+22.6
12		3 42.5	S19 17.4	195.5	+21.2
13		18 42.4	S19 18.0	210.0	+17.3
14		33 42.3	S19 18.6	223.2	+11.4
15		48 42.1	S19 19.2	235.3	+03.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		63 42.0	S19 19.8	246.4	-05.0
17		78 41.9	S19 20.4	257.1	-14.5
18		93 41.7	S19 21.0	267.8	-24.4
19		108 41.6	S19 21.6	279.3	-34.4
20		123 41.4	S19 22.2	292.8	-44.0
21		138 41.3	S19 22.7	309.8	-52.5
22		153 41.2	S19 23.3	332.5	-58.9
23		168 41.0	S19 23.9	000.6	-61.2
00	2026-11-19	183 40.9	S19 24.5	028.6	-58.7
01		198 40.8	S19 25.1	051.0	-52.3
02		213 40.6	S19 25.7	067.9	-43.6
03		228 40.5	S19 26.3	081.2	-34.0
04		243 40.4	S19 26.8	092.8	-24.1
05		258 40.2	S19 27.4	103.5	-14.2
06		273 40.1	S19 28.0	114.1	-04.7
07		288 39.9	S19 28.6	125.3	+04.1
08		303 39.8	S19 29.2	137.4	+11.5
09		318 39.7	S19 29.7	150.7	+17.3
10		333 39.5	S19 30.3	165.1	+21.1
11		348 39.4	S19 30.9	180.3	+22.3
12		3 39.2	S19 31.5	195.4	+21.0
13		18 39.1	S19 32.0	209.8	+17.1
14		33 39.0	S19 32.6	223.0	+11.2
15		48 38.8	S19 33.2	235.1	+03.8
16		63 38.7	S19 33.8	246.2	-05.2
17		78 38.5	S19 34.3	256.9	-14.6
18		93 38.4	S19 34.9	267.6	-24.5
19		108 38.2	S19 35.5	279.1	-34.5
20		123 38.1	S19 36.1	292.5	-44.1
21		138 38.0	S19 36.6	309.5	-52.7
22		153 37.8	S19 37.2	332.2	-59.1
23		168 37.7	S19 37.8	000.5	-61.5
00	2026-11-20	183 37.5	S19 38.3	028.7	-58.9
01		198 37.4	S19 38.9	051.2	-52.5
02		213 37.2	S19 39.5	068.0	-43.9
03		228 37.1	S19 40.1	081.4	-34.2
04		243 36.9	S19 40.6	092.9	-24.3
05		258 36.8	S19 41.2	103.6	-14.4
06		273 36.7	S19 41.8	114.3	-04.9
07		288 36.5	S19 42.3	125.4	+03.9
08		303 36.4	S19 42.9	137.5	+11.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		318 36.2	S19 43.4	150.7	+17.1
10		333 36.1	S19 44.0	165.1	+20.9
11		348 35.9	S19 44.6	180.2	+22.1
12		3 35.8	S19 45.1	195.3	+20.8
13		18 35.6	S19 45.7	209.7	+16.9
14		33 35.5	S19 46.3	222.9	+11.0
15		48 35.3	S19 46.8	234.9	+03.6
16		63 35.2	S19 47.4	246.0	-05.3
17		78 35.0	S19 47.9	256.7	-14.8
18		93 34.9	S19 48.5	267.4	-24.7
19		108 34.7	S19 49.1	278.9	-34.6
20		123 34.6	S19 49.6	292.3	-44.3
21		138 34.4	S19 50.2	309.3	-52.9
22		153 34.3	S19 50.7	332.0	-59.3
23		168 34.1	S19 51.3	000.4	-61.7
00	2026-11-21	183 34.0	S19 51.8	028.7	-59.1
01		198 33.8	S19 52.4	051.3	-52.7
02		213 33.6	S19 52.9	068.2	-44.1
03		228 33.5	S19 53.5	081.5	-34.4
04		243 33.3	S19 54.1	093.0	-24.5
05		258 33.2	S19 54.6	103.7	-14.6
06		273 33.0	S19 55.2	114.4	-05.1
07		288 32.9	S19 55.7	125.5	+03.7
08		303 32.7	S19 56.3	137.5	+11.1
09		318 32.6	S19 56.8	150.8	+16.9
10		333 32.4	S19 57.4	165.1	+20.6
11		348 32.3	S19 57.9	180.2	+21.9
12		3 32.1	S19 58.4	195.2	+20.6
13		18 31.9	S19 59.0	209.5	+16.7
14		33 31.8	S19 59.5	222.7	+10.9
15		48 31.6	S20 00.1	234.7	+03.5
16		63 31.5	S20 00.6	245.8	-05.4
17		78 31.3	S20 01.2	256.5	-14.9
18		93 31.1	S20 01.7	267.1	-24.8
19		108 31.0	S20 02.3	278.6	-34.8
20		123 30.8	S20 02.8	292.0	-44.4
21		138 30.7	S20 03.3	309.0	-53.0
22		153 30.5	S20 03.9	331.7	-59.4
23		168 30.3	S20 04.4	000.3	-61.9
00	2026-11-22	183 30.2	S20 05.0	028.8	-59.4
01		198 30.0	S20 05.5	051.4	-52.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		213 29.9	S20 06.0	068.3	-44.3
03		228 29.7	S20 06.6	081.7	-34.6
04		243 29.5	S20 07.1	093.1	-24.6
05		258 29.4	S20 07.7	103.8	-14.8
06		273 29.2	S20 08.2	114.4	-05.3
07		288 29.0	S20 08.7	125.6	+03.5
08		303 28.9	S20 09.3	137.6	+10.8
09		318 28.7	S20 09.8	150.8	+16.7
10		333 28.6	S20 10.3	165.1	+20.4
11		348 28.4	S20 10.9	180.1	+21.7
12		3 28.2	S20 11.4	195.1	+20.4
13		18 28.1	S20 11.9	209.4	+16.6
14		33 27.9	S20 12.5	222.6	+10.7
15		48 27.7	S20 13.0	234.6	+03.3
16		63 27.6	S20 13.5	245.6	-05.5
17		78 27.4	S20 14.0	256.3	-15.0
18		93 27.2	S20 14.6	266.9	-24.9
19		108 27.1	S20 15.1	278.4	-34.9
20		123 26.9	S20 15.6	291.7	-44.5
21		138 26.7	S20 16.2	308.7	-53.2
22		153 26.6	S20 16.7	331.5	-59.6
23		168 26.4	S20 17.2	000.2	-62.1
00	2026-11-23	183 26.2	S20 17.7	028.8	-59.6
01		198 26.0	S20 18.3	051.5	-53.1
02		213 25.9	S20 18.8	068.5	-44.5
03		228 25.7	S20 19.3	081.8	-34.8
04		243 25.5	S20 19.8	093.3	-24.8
05		258 25.4	S20 20.3	103.9	-15.0
06		273 25.2	S20 20.9	114.5	-05.6
07		288 25.0	S20 21.4	125.6	+03.3
08		303 24.9	S20 21.9	137.6	+10.6
09		318 24.7	S20 22.4	150.8	+16.4
10		333 24.5	S20 22.9	165.1	+20.2
11		348 24.3	S20 23.5	180.0	+21.5
12		3 24.2	S20 24.0	195.0	+20.2
13		18 24.0	S20 24.5	209.3	+16.4
14		33 23.8	S20 25.0	222.4	+10.6
15		48 23.6	S20 25.5	234.4	+03.2
16		63 23.5	S20 26.0	245.5	-05.7
17		78 23.3	S20 26.5	256.1	-15.1
18		93 23.1	S20 27.1	266.7	-25.0
19		108 22.9	S20 27.6	278.1	-35.0

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		123 22.8	S20 28.1	291.5	-44.6
21		138 22.6	S20 28.6	308.4	-53.3
22		153 22.4	S20 29.1	331.2	-59.8
23		168 22.2	S20 29.6	000.0	-62.3
00	2026-11-24	183 22.1	S20 30.1	028.8	-59.8
01		198 21.9	S20 30.6	051.6	-53.3
02		213 21.7	S20 31.1	068.6	-44.7
03		228 21.5	S20 31.6	081.9	-35.0
04		243 21.3	S20 32.1	093.4	-25.0
05		258 21.2	S20 32.6	104.0	-15.2
06		273 21.0	S20 33.2	114.6	-05.8
07		288 20.8	S20 33.7	125.7	+03.1
08		303 20.6	S20 34.2	137.7	+10.4
09		318 20.4	S20 34.7	150.8	+16.2
10		333 20.3	S20 35.2	165.0	+20.0
11		348 20.1	S20 35.7	180.0	+21.3
12		3 19.9	S20 36.2	194.9	+20.0
13		18 19.7	S20 36.7	209.1	+16.2
14		33 19.5	S20 37.2	222.2	+10.4
15		48 19.4	S20 37.7	234.2	+03.1
16		63 19.2	S20 38.2	245.3	-05.8
17		78 19.0	S20 38.7	255.9	-15.2
18		93 18.8	S20 39.2	266.5	-25.1
19		108 18.6	S20 39.7	277.9	-35.1
20		123 18.4	S20 40.2	291.2	-44.7
21		138 18.3	S20 40.6	308.1	-53.4
22		153 18.1	S20 41.1	330.9	-60.0
23		168 17.9	S20 41.6	359.9	-62.5
00	2026-11-25	183 17.7	S20 42.1	028.8	-60.0
01		198 17.5	S20 42.6	051.7	-53.5
02		213 17.3	S20 43.1	068.7	-44.9
03		228 17.1	S20 43.6	082.0	-35.2
04		243 17.0	S20 44.1	093.5	-25.2
05		258 16.8	S20 44.6	104.1	-15.4
06		273 16.6	S20 45.1	114.7	-05.9
07		288 16.4	S20 45.6	125.8	+02.9
08		303 16.2	S20 46.0	137.7	+10.2
09		318 16.0	S20 46.5	150.8	+16.0
10		333 15.8	S20 47.0	165.0	+19.8
11		348 15.6	S20 47.5	179.9	+21.1
12		3 15.5	S20 48.0	194.8	+19.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		18 15.3	S20 48.5	209.0	+16.1
14		33 15.1	S20 49.0	222.1	+10.3
15		48 14.9	S20 49.4	234.0	+03.0
16		63 14.7	S20 49.9	245.1	-05.9
17		78 14.5	S20 50.4	255.7	-15.3
18		93 14.3	S20 50.9	266.3	-25.2
19		108 14.1	S20 51.4	277.7	-35.1
20		123 13.9	S20 51.8	291.0	-44.8
21		138 13.7	S20 52.3	307.9	-53.6
22		153 13.5	S20 52.8	330.7	-60.1
23		168 13.4	S20 53.3	359.7	-62.7
00	2026-11-26	183 13.2	S20 53.8	028.8	-60.2
01		198 13.0	S20 54.2	051.8	-53.7
02		213 12.8	S20 54.7	068.8	-45.0
03		228 12.6	S20 55.2	082.1	-35.4
04		243 12.4	S20 55.7	093.6	-25.4
05		258 12.2	S20 56.1	104.2	-15.5
06		273 12.0	S20 56.6	114.8	-06.1
07		288 11.8	S20 57.1	125.8	+02.7
08		303 11.6	S20 57.5	137.7	+10.0
09		318 11.4	S20 58.0	150.8	+15.8
10		333 11.2	S20 58.5	165.0	+19.6
11		348 11.0	S20 59.0	179.8	+20.9
12		3 10.8	S20 59.4	194.7	+19.6
13		18 10.6	S20 59.9	208.8	+15.9
14		33 10.4	S21 00.4	221.9	+10.1
15		48 10.2	S21 00.8	233.9	+02.9
16		63 10.0	S21 01.3	244.9	-06.0
17		78 09.8	S21 01.8	255.5	-15.4
18		93 09.6	S21 02.2	266.1	-25.2
19		108 09.4	S21 02.7	277.5	-35.2
20		123 09.2	S21 03.1	290.7	-44.9
21		138 09.0	S21 03.6	307.6	-53.7
22		153 08.8	S21 04.1	330.4	-60.3
23		168 08.6	S21 04.5	359.5	-62.9
00	2026-11-27	183 08.4	S21 05.0	028.8	-60.4
01		198 08.2	S21 05.4	051.9	-53.9
02		213 08.0	S21 05.9	068.9	-45.2
03		228 07.8	S21 06.4	082.2	-35.6
04		243 07.6	S21 06.8	093.7	-25.6
05		258 07.4	S21 07.3	104.3	-15.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		273 07.2	S21 07.7	114.8	-06.3
07		288 07.0	S21 08.2	125.9	+02.6
08		303 06.8	S21 08.6	137.8	+09.8
09		318 06.6	S21 09.1	150.8	+15.6
10		333 06.4	S21 09.6	164.9	+19.4
11		348 06.2	S21 10.0	179.7	+20.7
12		3 06.0	S21 10.5	194.6	+19.4
13		18 05.8	S21 10.9	208.7	+15.8
14		33 05.6	S21 11.4	221.8	+10.0
15		48 05.4	S21 11.8	233.7	+02.8
16		63 05.2	S21 12.3	244.7	-06.1
17		78 05.0	S21 12.7	255.3	-15.5
18		93 04.8	S21 13.2	265.9	-25.3
19		108 04.6	S21 13.6	277.2	-35.3
20		123 04.3	S21 14.1	290.5	-45.0
21		138 04.1	S21 14.5	307.3	-53.8
22		153 03.9	S21 14.9	330.1	-60.4
23		168 03.7	S21 15.4	359.4	-63.1
00	2026-11-28	183 03.5	S21 15.8	028.8	-60.6
01		198 03.3	S21 16.3	051.9	-54.1
02		213 03.1	S21 16.7	069.0	-45.4
03		228 02.9	S21 17.2	082.3	-35.7
04		243 02.7	S21 17.6	093.7	-25.8
05		258 02.5	S21 18.0	104.3	-15.9
06		273 02.3	S21 18.5	114.9	-06.5
07		288 02.0	S21 18.9	125.9	+02.4
08		303 01.8	S21 19.4	137.8	+09.6
09		318 01.6	S21 19.8	150.8	+15.4
10		333 01.4	S21 20.2	164.9	+19.2
11		348 01.2	S21 20.7	179.7	+20.5
12		3 01.0	S21 21.1	194.4	+19.3
13		18 00.8	S21 21.5	208.6	+15.6
14		33 00.6	S21 22.0	221.6	+09.9
15		48 00.4	S21 22.4	233.5	+02.7
16		63 00.1	S21 22.8	244.6	-06.2
17		77 59.9	S21 23.3	255.1	-15.5
18		92 59.7	S21 23.7	265.7	-25.4
19		107 59.5	S21 24.1	277.0	-35.4
20		122 59.3	S21 24.6	290.2	-45.1
21		137 59.1	S21 25.0	307.0	-53.9
22		152 58.8	S21 25.4	329.9	-60.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		167 58.6	S21 25.9	359.2	-63.3
00	2026-11-29	182 58.4	S21 26.3	028.8	-60.8
01		197 58.2	S21 26.7	052.0	-54.3
02		212 58.0	S21 27.1	069.1	-45.6
03		227 57.8	S21 27.6	082.4	-35.9
04		242 57.6	S21 28.0	093.8	-26.0
05		257 57.3	S21 28.4	104.4	-16.1
06		272 57.1	S21 28.8	114.9	-06.7
07		287 56.9	S21 29.2	125.9	+02.2
08		302 56.7	S21 29.7	137.8	+09.4
09		317 56.5	S21 30.1	150.8	+15.2
10		332 56.2	S21 30.5	164.8	+19.0
11		347 56.0	S21 30.9	179.6	+20.4
12		2 55.8	S21 31.3	194.3	+19.1
13		17 55.6	S21 31.8	208.4	+15.5
14		32 55.4	S21 32.2	221.5	+09.8
15		47 55.1	S21 32.6	233.4	+02.6
16		62 54.9	S21 33.0	244.4	-06.2
17		77 54.7	S21 33.4	254.9	-15.6
18		92 54.5	S21 33.8	265.5	-25.4
19		107 54.3	S21 34.3	276.8	-35.4
20		122 54.0	S21 34.7	290.0	-45.2
21		137 53.8	S21 35.1	306.7	-54.0
22		152 53.6	S21 35.5	329.6	-60.7
23		167 53.4	S21 35.9	359.0	-63.4
00	2026-11-30	182 53.1	S21 36.3	028.7	-61.0
01		197 52.9	S21 36.7	052.0	-54.5
02		212 52.7	S21 37.1	069.1	-45.8
03		227 52.5	S21 37.5	082.5	-36.1
04		242 52.2	S21 38.0	093.9	-26.1
05		257 52.0	S21 38.4	104.5	-16.3
06		272 51.8	S21 38.8	115.0	-06.9
07		287 51.6	S21 39.2	126.0	+02.0
08		302 51.3	S21 39.6	137.8	+09.3
09		317 51.1	S21 40.0	150.8	+15.1
10		332 50.9	S21 40.4	164.8	+18.8
11		347 50.7	S21 40.8	179.5	+20.2
12		2 50.4	S21 41.2	194.2	+19.0
13		17 50.2	S21 41.6	208.3	+15.4
14		32 50.0	S21 42.0	221.3	+09.7
15		47 49.8	S21 42.4	233.2	+02.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		62 49.5	S21 42.8	244.2	-06.3
17		77 49.3	S21 43.2	254.7	-15.7
18		92 49.1	S21 43.6	265.3	-25.5
19		107 48.8	S21 44.0	276.6	-35.5
20		122 48.6	S21 44.4	289.7	-45.2
21		137 48.4	S21 44.8	306.5	-54.0
22		152 48.2	S21 45.2	329.3	-60.8
23		167 47.9	S21 45.6	358.8	-63.6
00	2026-12-01	182 47.7	S21 45.9	028.7	-61.2
01		197 47.5	S21 46.3	052.1	-54.7
02		212 47.2	S21 46.7	069.2	-46.0
03		227 47.0	S21 47.1	082.5	-36.3
04		242 46.8	S21 47.5	093.9	-26.3
05		257 46.5	S21 47.9	104.5	-16.4
06		272 46.3	S21 48.3	115.0	-07.1
07		287 46.1	S21 48.7	126.0	+01.9
08		302 45.8	S21 49.1	137.8	+09.1
09		317 45.6	S21 49.4	150.7	+14.9
10		332 45.4	S21 49.8	164.7	+18.7
11		347 45.1	S21 50.2	179.4	+20.0
12		2 44.9	S21 50.6	194.1	+18.9
13		17 44.7	S21 51.0	208.2	+15.2
14		32 44.4	S21 51.4	221.2	+09.6
15		47 44.2	S21 51.8	233.1	+02.4
16		62 44.0	S21 52.1	244.1	-06.4
17		77 43.7	S21 52.5	254.6	-15.7
18		92 43.5	S21 52.9	265.1	-25.5
19		107 43.3	S21 53.3	276.4	-35.5
20		122 43.0	S21 53.7	289.5	-45.3
21		137 42.8	S21 54.0	306.2	-54.1
22		152 42.6	S21 54.4	329.0	-60.9
23		167 42.3	S21 54.8	358.6	-63.7
00	2026-12-02	182 42.1	S21 55.2	028.6	-61.4
01		197 41.8	S21 55.5	052.1	-54.8
02		212 41.6	S21 55.9	069.3	-46.1
03		227 41.4	S21 56.3	082.6	-36.4
04		242 41.1	S21 56.7	094.0	-26.5
05		257 40.9	S21 57.0	104.6	-16.6
06		272 40.7	S21 57.4	115.1	-07.2
07		287 40.4	S21 57.8	126.0	+01.7
08		302 40.2	S21 58.1	137.8	+08.9

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		317 39.9	S21 58.5	150.7	+14.7
10		332 39.7	S21 58.9	164.7	+18.5
11		347 39.5	S21 59.2	179.3	+19.9
12		2 39.2	S21 59.6	194.0	+18.7
13		17 39.0	S21 60.0	208.0	+15.1
14		32 38.7	S22 00.3	221.0	+09.5
15		47 38.5	S22 00.7	232.9	+02.4
16		62 38.2	S22 01.1	243.9	-06.4
17		77 38.0	S22 01.4	254.4	-15.8
18		92 37.8	S22 01.8	264.9	-25.6
19		107 37.5	S22 02.2	276.2	-35.6
20		122 37.3	S22 02.5	289.2	-45.3
21		137 37.0	S22 02.9	305.9	-54.2
22		152 36.8	S22 03.2	328.7	-61.0
23		167 36.5	S22 03.6	358.4	-63.9
00	2026-12-03	182 36.3	S22 04.0	028.6	-61.5
01		197 36.1	S22 04.3	052.1	-55.0
02		212 35.8	S22 04.7	069.3	-46.3
03		227 35.6	S22 05.0	082.7	-36.6
04		242 35.3	S22 05.4	094.0	-26.6
05		257 35.1	S22 05.7	104.6	-16.8
06		272 34.8	S22 06.1	115.1	-07.4
07		287 34.6	S22 06.4	126.0	+01.6
08		302 34.3	S22 06.8	137.8	+08.7
09		317 34.1	S22 07.1	150.7	+14.5
10		332 33.8	S22 07.5	164.6	+18.3
11		347 33.6	S22 07.8	179.2	+19.7
12		2 33.4	S22 08.2	193.9	+18.6
13		17 33.1	S22 08.5	207.9	+15.0
14		32 32.9	S22 08.9	220.9	+09.4
15		47 32.6	S22 09.2	232.7	+02.3
16		62 32.4	S22 09.6	243.7	-06.5
17		77 32.1	S22 09.9	254.2	-15.8
18		92 31.9	S22 10.3	264.7	-25.6
19		107 31.6	S22 10.6	276.0	-35.6
20		122 31.4	S22 11.0	289.0	-45.4
21		137 31.1	S22 11.3	305.7	-54.3
22		152 30.9	S22 11.6	328.4	-61.1
23		167 30.6	S22 12.0	358.2	-64.0
00	2026-12-04	182 30.4	S22 12.3	028.5	-61.7
01		197 30.1	S22 12.7	052.1	-55.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		212 29.9	S22 13.0	069.3	-46.5
03		227 29.6	S22 13.3	082.7	-36.8
04		242 29.4	S22 13.7	094.1	-26.8
05		257 29.1	S22 14.0	104.6	-16.9
06		272 28.9	S22 14.3	115.1	-07.6
07		287 28.6	S22 14.7	126.0	+01.4
08		302 28.4	S22 15.0	137.8	+08.6
09		317 28.1	S22 15.3	150.6	+14.4
10		332 27.8	S22 15.7	164.5	+18.2
11		347 27.6	S22 16.0	179.1	+19.6
12		2 27.3	S22 16.3	193.7	+18.5
13		17 27.1	S22 16.7	207.7	+14.9
14		32 26.8	S22 17.0	220.7	+09.3
15		47 26.6	S22 17.3	232.6	+02.3
16		62 26.3	S22 17.7	243.6	-06.5
17		77 26.1	S22 18.0	254.1	-15.8
18		92 25.8	S22 18.3	264.6	-25.6
19		107 25.6	S22 18.6	275.8	-35.6
20		122 25.3	S22 19.0	288.8	-45.4
21		137 25.0	S22 19.3	305.4	-54.3
22		152 24.8	S22 19.6	328.2	-61.2
23		167 24.5	S22 19.9	358.0	-64.1
00	2026-12-05	182 24.3	S22 20.3	028.4	-61.8
01		197 24.0	S22 20.6	052.1	-55.3
02		212 23.8	S22 20.9	069.4	-46.6
03		227 23.5	S22 21.2	082.7	-36.9
04		242 23.3	S22 21.5	094.1	-27.0
05		257 23.0	S22 21.9	104.7	-17.1
06		272 22.7	S22 22.2	115.1	-07.7
07		287 22.5	S22 22.5	126.0	+01.3
08		302 22.2	S22 22.8	137.8	+08.4
09		317 22.0	S22 23.1	150.6	+14.2
10		332 21.7	S22 23.4	164.5	+18.0
11		347 21.4	S22 23.8	179.0	+19.5
12		2 21.2	S22 24.1	193.6	+18.4
13		17 20.9	S22 24.4	207.6	+14.8
14		32 20.7	S22 24.7	220.6	+09.3
15		47 20.4	S22 25.0	232.4	+02.2
16		62 20.1	S22 25.3	243.4	-06.5
17		77 19.9	S22 25.6	253.9	-15.9
18		92 19.6	S22 25.9	264.4	-25.7
19		107 19.4	S22 26.2	275.6	-35.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		122 19.1	S22 26.5	288.6	-45.4
21		137 18.8	S22 26.8	305.1	-54.3
22		152 18.6	S22 27.2	327.9	-61.3
23		167 18.3	S22 27.5	357.7	-64.3
00	2026-12-06	182 18.0	S22 27.8	028.3	-62.0
01		197 17.8	S22 28.1	052.1	-55.5
02		212 17.5	S22 28.4	069.4	-46.8
03		227 17.3	S22 28.7	082.8	-37.1
04		242 17.0	S22 29.0	094.1	-27.1
05		257 16.7	S22 29.3	104.7	-17.3
06		272 16.5	S22 29.6	115.1	-07.9
07		287 16.2	S22 29.9	126.0	+01.1
08		302 15.9	S22 30.2	137.7	+08.3
09		317 15.7	S22 30.5	150.5	+14.1
10		332 15.4	S22 30.8	164.4	+17.9
11		347 15.1	S22 31.1	178.9	+19.3
12		2 14.9	S22 31.3	193.5	+18.3
13		17 14.6	S22 31.6	207.5	+14.8
14		32 14.4	S22 31.9	220.4	+09.2
15		47 14.1	S22 32.2	232.3	+02.2
16		62 13.8	S22 32.5	243.3	-06.6
17		77 13.6	S22 32.8	253.7	-15.9
18		92 13.3	S22 33.1	264.2	-25.7
19		107 13.0	S22 33.4	275.4	-35.7
20		122 12.8	S22 33.7	288.3	-45.4
21		137 12.5	S22 34.0	304.9	-54.4
22		152 12.2	S22 34.3	327.6	-61.3
23		167 12.0	S22 34.5	357.5	-64.4
00	2026-12-07	182 11.7	S22 34.8	028.2	-62.1
01		197 11.4	S22 35.1	052.1	-55.7
02		212 11.1	S22 35.4	069.4	-46.9
03		227 10.9	S22 35.7	082.8	-37.2
04		242 10.6	S22 36.0	094.2	-27.3
05		257 10.3	S22 36.2	104.7	-17.4
06		272 10.1	S22 36.5	115.1	-08.0
07		287 09.8	S22 36.8	126.0	+01.0
08		302 09.5	S22 37.1	137.7	+08.1
09		317 09.3	S22 37.4	150.5	+13.9
10		332 09.0	S22 37.6	164.3	+17.8
11		347 08.7	S22 37.9	178.8	+19.2
12		2 08.5	S22 38.2	193.4	+18.2

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		17 08.2	S22 38.5	207.3	+14.7
14		32 07.9	S22 38.7	220.3	+09.2
15		47 07.6	S22 39.0	232.1	+02.1
16		62 07.4	S22 39.3	243.1	-06.6
17		77 07.1	S22 39.6	253.6	-15.9
18		92 06.8	S22 39.8	264.0	-25.7
19		107 06.6	S22 40.1	275.2	-35.7
20		122 06.3	S22 40.4	288.1	-45.5
21		137 06.0	S22 40.6	304.6	-54.4
22		152 05.7	S22 40.9	327.3	-61.4
23		167 05.5	S22 41.2	357.3	-64.5
00	2026-12-08	182 05.2	S22 41.5	028.1	-62.3
01		197 04.9	S22 41.7	052.1	-55.8
02		212 04.6	S22 42.0	069.4	-47.1
03		227 04.4	S22 42.2	082.8	-37.4
04		242 04.1	S22 42.5	094.2	-27.4
05		257 03.8	S22 42.8	104.7	-17.6
06		272 03.5	S22 43.0	115.1	-08.2
07		287 03.3	S22 43.3	126.0	+00.9
08		302 03.0	S22 43.6	137.7	+08.0
09		317 02.7	S22 43.8	150.4	+13.8
10		332 02.4	S22 44.1	164.2	+17.6
11		347 02.2	S22 44.3	178.7	+19.1
12		2 01.9	S22 44.6	193.2	+18.1
13		17 01.6	S22 44.9	207.2	+14.6
14		32 01.3	S22 45.1	220.1	+09.1
15		47 01.1	S22 45.4	232.0	+02.1
16		62 00.8	S22 45.6	243.0	-06.6
17		77 00.5	S22 45.9	253.4	-15.9
18		92 00.2	S22 46.1	263.9	-25.7
19		106 60.0	S22 46.4	275.0	-35.7
20		121 59.7	S22 46.6	287.9	-45.5
21		136 59.4	S22 46.9	304.4	-54.4
22		151 59.1	S22 47.1	327.0	-61.5
23		166 58.9	S22 47.4	357.0	-64.6
00	2026-12-09	181 58.6	S22 47.6	027.9	-62.4
01		196 58.3	S22 47.9	052.0	-55.9
02		211 58.0	S22 48.1	069.4	-47.2
03		226 57.7	S22 48.4	082.8	-37.5
04		241 57.5	S22 48.6	094.2	-27.6
05		256 57.2	S22 48.9	104.7	-17.7

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		271 56.9	S22 49.1	115.1	-08.3
07		286 56.6	S22 49.4	126.0	+00.7
08		301 56.3	S22 49.6	137.6	+07.8
09		316 56.1	S22 49.8	150.4	+13.7
10		331 55.8	S22 50.1	164.1	+17.5
11		346 55.5	S22 50.3	178.6	+19.0
12		1 55.2	S22 50.6	193.1	+18.0
13		16 54.9	S22 50.8	207.1	+14.6
14		31 54.7	S22 51.0	220.0	+09.1
15		46 54.4	S22 51.3	231.9	+02.1
16		61 54.1	S22 51.5	242.8	-06.6
17		76 53.8	S22 51.7	253.3	-15.9
18		91 53.5	S22 52.0	263.7	-25.7
19		106 53.3	S22 52.2	274.8	-35.7
20		121 53.0	S22 52.4	287.7	-45.5
21		136 52.7	S22 52.7	304.1	-54.5
22		151 52.4	S22 52.9	326.8	-61.5
23		166 52.1	S22 53.1	356.8	-64.7
00	2026-12-10	181 51.8	S22 53.4	027.8	-62.5
01		196 51.6	S22 53.6	052.0	-56.1
02		211 51.3	S22 53.8	069.4	-47.4
03		226 51.0	S22 54.0	082.8	-37.7
04		241 50.7	S22 54.3	094.2	-27.7
05		256 50.4	S22 54.5	104.7	-17.8
06		271 50.1	S22 54.7	115.1	-08.5
07		286 49.9	S22 55.0	125.9	+00.6
08		301 49.6	S22 55.2	137.6	+07.7
09		316 49.3	S22 55.4	150.3	+13.6
10		331 49.0	S22 55.6	164.0	+17.4
11		346 48.7	S22 55.8	178.5	+18.9
12		1 48.4	S22 56.1	193.0	+17.9
13		16 48.2	S22 56.3	206.9	+14.5
14		31 47.9	S22 56.5	219.9	+09.0
15		46 47.6	S22 56.7	231.7	+02.1
16		61 47.3	S22 56.9	242.7	-06.6
17		76 47.0	S22 57.2	253.1	-15.9
18		91 46.7	S22 57.4	263.6	-25.7
19		106 46.4	S22 57.6	274.7	-35.7
20		121 46.2	S22 57.8	287.5	-45.5
21		136 45.9	S22 58.0	303.9	-54.5
22		151 45.6	S22 58.2	326.5	-61.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		166 45.3	S22 58.4	356.5	-64.8
00	2026-12-11	181 45.0	S22 58.6	027.6	-62.6
01		196 44.7	S22 58.9	051.9	-56.2
02		211 44.4	S22 59.1	069.4	-47.5
03		226 44.1	S22 59.3	082.8	-37.8
04		241 43.9	S22 59.5	094.2	-27.8
05		256 43.6	S22 59.7	104.7	-18.0
06		271 43.3	S22 59.9	115.1	-08.6
07		286 43.0	S23 00.1	125.9	+00.5
08		301 42.7	S23 00.3	137.5	+07.6
09		316 42.4	S23 00.5	150.2	+13.4
10		331 42.1	S23 00.7	164.0	+17.3
11		346 41.8	S23 00.9	178.4	+18.8
12		1 41.6	S23 01.1	192.9	+17.9
13		16 41.3	S23 01.3	206.8	+14.5
14		31 41.0	S23 01.5	219.7	+09.0
15		46 40.7	S23 01.7	231.6	+02.1
16		61 40.4	S23 01.9	242.6	-06.6
17		76 40.1	S23 02.1	253.0	-15.9
18		91 39.8	S23 02.3	263.4	-25.6
19		106 39.5	S23 02.5	274.5	-35.6
20		121 39.2	S23 02.7	287.3	-45.4
21		136 38.9	S23 02.9	303.7	-54.5
22		151 38.7	S23 03.1	326.2	-61.6
23		166 38.4	S23 03.3	356.3	-64.8
00	2026-12-12	181 38.1	S23 03.5	027.5	-62.8
01		196 37.8	S23 03.7	051.8	-56.3
02		211 37.5	S23 03.8	069.3	-47.6
03		226 37.2	S23 04.0	082.8	-37.9
04		241 36.9	S23 04.2	094.1	-28.0
05		256 36.6	S23 04.4	104.6	-18.1
06		271 36.3	S23 04.6	115.0	-08.7
07		286 36.0	S23 04.8	125.9	+00.4
08		301 35.7	S23 05.0	137.5	+07.5
09		316 35.5	S23 05.2	150.2	+13.3
10		331 35.2	S23 05.3	163.9	+17.2
11		346 34.9	S23 05.5	178.3	+18.8
12		1 34.6	S23 05.7	192.8	+17.8
13		16 34.3	S23 05.9	206.7	+14.4
14		31 34.0	S23 06.1	219.6	+09.0
15		46 33.7	S23 06.3	231.5	+02.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		61 33.4	S23 06.4	242.4	-06.6
17		76 33.1	S23 06.6	252.9	-15.8
18		91 32.8	S23 06.8	263.3	-25.6
19		106 32.5	S23 07.0	274.4	-35.6
20		121 32.2	S23 07.1	287.2	-45.4
21		136 31.9	S23 07.3	303.4	-54.5
22		151 31.6	S23 07.5	325.9	-61.6
23		166 31.4	S23 07.7	356.0	-64.9
00	2026-12-13	181 31.1	S23 07.8	027.3	-62.9
01		196 30.8	S23 08.0	051.7	-56.5
02		211 30.5	S23 08.2	069.3	-47.8
03		226 30.2	S23 08.3	082.7	-38.1
04		241 29.9	S23 08.5	094.1	-28.1
05		256 29.6	S23 08.7	104.6	-18.2
06		271 29.3	S23 08.9	115.0	-08.8
07		286 29.0	S23 09.0	125.8	+00.3
08		301 28.7	S23 09.2	137.4	+07.4
09		316 28.4	S23 09.4	150.1	+13.2
10		331 28.1	S23 09.5	163.8	+17.1
11		346 27.8	S23 09.7	178.2	+18.7
12		1 27.5	S23 09.8	192.6	+17.8
13		16 27.2	S23 10.0	206.5	+14.4
14		31 26.9	S23 10.2	219.5	+09.0
15		46 26.6	S23 10.3	231.3	+02.1
16		61 26.3	S23 10.5	242.3	-06.6
17		76 26.0	S23 10.7	252.7	-15.8
18		91 25.7	S23 10.8	263.1	-25.6
19		106 25.4	S23 11.0	274.2	-35.6
20		121 25.1	S23 11.1	287.0	-45.4
21		136 24.9	S23 11.3	303.2	-54.4
22		151 24.6	S23 11.4	325.7	-61.6
23		166 24.3	S23 11.6	355.7	-65.0
00	2026-12-14	181 24.0	S23 11.7	027.1	-63.0
01		196 23.7	S23 11.9	051.6	-56.6
02		211 23.4	S23 12.0	069.2	-47.9
03		226 23.1	S23 12.2	082.7	-38.2
04		241 22.8	S23 12.3	094.1	-28.2
05		256 22.5	S23 12.5	104.6	-18.4
06		271 22.2	S23 12.6	115.0	-09.0
07		286 21.9	S23 12.8	125.8	+00.2
08		301 21.6	S23 12.9	137.4	+07.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		316 21.3	S23 13.1	150.0	+13.1
10		331 21.0	S23 13.2	163.7	+17.0
11		346 20.7	S23 13.4	178.0	+18.6
12		1 20.4	S23 13.5	192.5	+17.7
13		16 20.1	S23 13.7	206.4	+14.4
14		31 19.8	S23 13.8	219.3	+09.0
15		46 19.5	S23 14.0	231.2	+02.1
16		61 19.2	S23 14.1	242.2	-06.6
17		76 18.9	S23 14.2	252.6	-15.8
18		91 18.6	S23 14.4	263.0	-25.6
19		106 18.3	S23 14.5	274.1	-35.5
20		121 18.0	S23 14.6	286.8	-45.4
21		136 17.7	S23 14.8	303.0	-54.4
22		151 17.4	S23 14.9	325.4	-61.6
23		166 17.1	S23 15.1	355.5	-65.0
00	2026-12-15	181 16.8	S23 15.2	026.9	-63.1
01		196 16.5	S23 15.3	051.5	-56.7
02		211 16.2	S23 15.5	069.2	-48.0
03		226 15.9	S23 15.6	082.6	-38.3
04		241 15.6	S23 15.7	094.0	-28.3
05		256 15.3	S23 15.8	104.5	-18.5
06		271 15.0	S23 16.0	114.9	-09.1
07		286 14.7	S23 16.1	125.7	+00.1
08		301 14.4	S23 16.2	137.3	+07.2
09		316 14.1	S23 16.4	149.9	+13.0
10		331 13.8	S23 16.5	163.6	+17.0
11		346 13.5	S23 16.6	177.9	+18.6
12		1 13.2	S23 16.7	192.4	+17.7
13		16 12.9	S23 16.9	206.3	+14.4
14		31 12.6	S23 17.0	219.2	+09.0
15		46 12.3	S23 17.1	231.1	+02.1
16		61 12.0	S23 17.2	242.1	-06.5
17		76 11.7	S23 17.3	252.5	-15.8
18		91 11.4	S23 17.5	262.9	-25.5
19		106 11.1	S23 17.6	273.9	-35.5
20		121 10.8	S23 17.7	286.6	-45.3
21		136 10.5	S23 17.8	302.8	-54.4
22		151 10.2	S23 17.9	325.2	-61.6
23		166 09.9	S23 18.1	355.2	-65.1
00	2026-12-16	181 09.6	S23 18.2	026.7	-63.1
01		196 09.3	S23 18.3	051.4	-56.8

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		211 09.0	S23 18.4	069.1	-48.1
03		226 08.7	S23 18.5	082.6	-38.4
04		241 08.3	S23 18.6	094.0	-28.4
05		256 08.0	S23 18.7	104.5	-18.6
06		271 07.7	S23 18.8	114.9	-09.2
07		286 07.4	S23 19.0	125.6	+00.0
08		301 07.1	S23 19.1	137.2	+07.1
09		316 06.8	S23 19.2	149.8	+12.9
10		331 06.5	S23 19.3	163.5	+16.9
11		346 06.2	S23 19.4	177.8	+18.5
12		1 05.9	S23 19.5	192.3	+17.6
13		16 05.6	S23 19.6	206.2	+14.4
14		31 05.3	S23 19.7	219.1	+09.0
15		46 05.0	S23 19.8	231.0	+02.1
16		61 04.7	S23 19.9	241.9	-06.5
17		76 04.4	S23 20.0	252.4	-15.7
18		91 04.1	S23 20.1	262.8	-25.5
19		106 03.8	S23 20.2	273.8	-35.4
20		121 03.5	S23 20.3	286.5	-45.3
21		136 03.2	S23 20.4	302.6	-54.4
22		151 02.9	S23 20.5	324.9	-61.6
23		166 02.6	S23 20.6	354.9	-65.1
00	2026-12-17	181 02.3	S23 20.7	026.5	-63.2
01		196 02.0	S23 20.8	051.3	-56.9
02		211 01.7	S23 20.9	069.0	-48.2
03		226 01.4	S23 21.0	082.5	-38.5
04		241 01.1	S23 21.1	093.9	-28.6
05		256 00.8	S23 21.2	104.4	-18.7
06		271 00.4	S23 21.2	114.8	-09.3
07		286 00.1	S23 21.3	125.6	-00.1
08		300 59.8	S23 21.4	137.1	+07.0
09		315 59.5	S23 21.5	149.7	+12.9
10		330 59.2	S23 21.6	163.4	+16.8
11		345 58.9	S23 21.7	177.7	+18.5
12		0 58.6	S23 21.8	192.1	+17.6
13		15 58.3	S23 21.9	206.0	+14.4
14		30 58.0	S23 21.9	219.0	+09.0
15		45 57.7	S23 22.0	230.8	+02.2
16		60 57.4	S23 22.1	241.8	-06.5
17		75 57.1	S23 22.2	252.3	-15.7
18		90 56.8	S23 22.3	262.7	-25.4
19		105 56.5	S23 22.3	273.7	-35.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		120 56.2	S23 22.4	286.3	-45.2
21		135 55.9	S23 22.5	302.4	-54.3
22		150 55.6	S23 22.6	324.7	-61.6
23		165 55.3	S23 22.7	354.7	-65.1
00	2026-12-18	180 54.9	S23 22.7	026.3	-63.3
01		195 54.6	S23 22.8	051.2	-57.0
02		210 54.3	S23 22.9	068.9	-48.3
03		225 54.0	S23 23.0	082.5	-38.6
04		240 53.7	S23 23.0	093.9	-28.7
05		255 53.4	S23 23.1	104.4	-18.8
06		270 53.1	S23 23.2	114.7	-09.4
07		285 52.8	S23 23.2	125.5	-00.1
08		300 52.5	S23 23.3	137.1	+06.9
09		315 52.2	S23 23.4	149.6	+12.8
10		330 51.9	S23 23.5	163.2	+16.8
11		345 51.6	S23 23.5	177.6	+18.4
12		0 51.3	S23 23.6	192.0	+17.6
13		15 51.0	S23 23.6	205.9	+14.4
14		30 50.7	S23 23.7	218.9	+09.0
15		45 50.3	S23 23.8	230.7	+02.2
16		60 50.0	S23 23.8	241.7	-06.4
17		75 49.7	S23 23.9	252.2	-15.6
18		90 49.4	S23 24.0	262.5	-25.3
19		105 49.1	S23 24.0	273.5	-35.3
20		120 48.8	S23 24.1	286.2	-45.2
21		135 48.5	S23 24.1	302.2	-54.3
22		150 48.2	S23 24.2	324.4	-61.6
23		165 47.9	S23 24.3	354.4	-65.1
00	2026-12-19	180 47.6	S23 24.3	026.1	-63.3
01		195 47.3	S23 24.4	051.0	-57.1
02		210 47.0	S23 24.4	068.8	-48.4
03		225 46.7	S23 24.5	082.4	-38.7
04		240 46.3	S23 24.5	093.8	-28.8
05		255 46.0	S23 24.6	104.3	-18.9
06		270 45.7	S23 24.6	114.7	-09.5
07		285 45.4	S23 24.7	125.4	-00.2
08		300 45.1	S23 24.7	137.0	+06.8
09		315 44.8	S23 24.8	149.5	+12.7
10		330 44.5	S23 24.8	163.1	+16.7
11		345 44.2	S23 24.9	177.5	+18.4
12		0 43.9	S23 24.9	191.9	+17.6

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		15 43.6	S23 25.0	205.8	+14.4
14		30 43.3	S23 25.0	218.7	+09.1
15		45 43.0	S23 25.1	230.6	+02.2
16		60 42.7	S23 25.1	241.6	-06.4
17		75 42.3	S23 25.2	252.1	-15.5
18		90 42.0	S23 25.2	262.4	-25.3
19		105 41.7	S23 25.2	273.4	-35.3
20		120 41.4	S23 25.3	286.1	-45.1
21		135 41.1	S23 25.3	302.1	-54.2
22		150 40.8	S23 25.4	324.2	-61.5
23		165 40.5	S23 25.4	354.1	-65.2
00	2026-12-20	180 40.2	S23 25.4	025.9	-63.4
01		195 39.9	S23 25.5	050.9	-57.1
02		210 39.6	S23 25.5	068.7	-48.5
03		225 39.3	S23 25.5	082.3	-38.8
04		240 38.9	S23 25.6	093.7	-28.8
05		255 38.6	S23 25.6	104.2	-19.0
06		270 38.3	S23 25.6	114.6	-09.6
07		285 38.0	S23 25.7	125.3	-00.3
08		300 37.7	S23 25.7	136.9	+06.7
09		315 37.4	S23 25.7	149.4	+12.7
10		330 37.1	S23 25.8	163.0	+16.7
11		345 36.8	S23 25.8	177.3	+18.4
12		0 36.5	S23 25.8	191.8	+17.6
13		15 36.2	S23 25.8	205.7	+14.4
14		30 35.9	S23 25.9	218.6	+09.1
15		45 35.5	S23 25.9	230.5	+02.3
16		60 35.2	S23 25.9	241.5	-06.3
17		75 34.9	S23 25.9	252.0	-15.5
18		90 34.6	S23 26.0	262.3	-25.2
19		105 34.3	S23 26.0	273.3	-35.2
20		120 34.0	S23 26.0	285.9	-45.0
21		135 33.7	S23 26.0	301.9	-54.2
22		150 33.4	S23 26.0	324.0	-61.5
23		165 33.1	S23 26.1	353.8	-65.2
00	2026-12-21	180 32.8	S23 26.1	025.7	-63.4
01		195 32.5	S23 26.1	050.7	-57.2
02		210 32.1	S23 26.1	068.6	-48.6
03		225 31.8	S23 26.1	082.2	-38.9
04		240 31.5	S23 26.1	093.7	-28.9
05		255 31.2	S23 26.1	104.2	-19.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
06		270 30.9	S23 26.2	114.5	-09.7
07		285 30.6	S23 26.2	125.3	-00.3
08		300 30.3	S23 26.2	136.8	+06.7
09		315 30.0	S23 26.2	149.3	+12.6
10		330 29.7	S23 26.2	162.9	+16.7
11		345 29.4	S23 26.2	177.2	+18.4
12		0 29.1	S23 26.2	191.7	+17.6
13		15 28.7	S23 26.2	205.6	+14.4
14		30 28.4	S23 26.2	218.5	+09.2
15		45 28.1	S23 26.2	230.4	+02.3
16		60 27.8	S23 26.2	241.4	-06.2
17		75 27.5	S23 26.2	251.9	-15.4
18		90 27.2	S23 26.2	262.3	-25.1
19		105 26.9	S23 26.2	273.2	-35.1
20		120 26.6	S23 26.2	285.8	-44.9
21		135 26.3	S23 26.2	301.7	-54.1
22		150 26.0	S23 26.2	323.7	-61.5
23		165 25.6	S23 26.2	353.6	-65.2
00	2026-12-22	180 25.3	S23 26.2	025.4	-63.5
01		195 25.0	S23 26.2	050.5	-57.3
02		210 24.7	S23 26.2	068.5	-48.7
03		225 24.4	S23 26.2	082.1	-39.0
04		240 24.1	S23 26.2	093.6	-29.0
05		255 23.8	S23 26.2	104.1	-19.2
06		270 23.5	S23 26.2	114.4	-09.7
07		285 23.2	S23 26.2	125.2	-01.1
08		300 22.9	S23 26.2	136.7	+06.6
09		315 22.6	S23 26.2	149.2	+12.6
10		330 22.2	S23 26.2	162.8	+16.6
11		345 21.9	S23 26.2	177.1	+18.4
12		0 21.6	S23 26.2	191.5	+17.6
13		15 21.3	S23 26.1	205.5	+14.5
14		30 21.0	S23 26.1	218.4	+09.2
15		45 20.7	S23 26.1	230.3	+02.4
16		60 20.4	S23 26.1	241.3	-06.1
17		75 20.1	S23 26.1	251.8	-15.3
18		90 19.8	S23 26.1	262.2	-25.0
19		105 19.5	S23 26.0	273.1	-35.0
20		120 19.1	S23 26.0	285.7	-44.9
21		135 18.8	S23 26.0	301.6	-54.0
22		150 18.5	S23 26.0	323.5	-61.4

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
23		165 18.2	S23 26.0	353.3	-65.1
00	2026-12-23	180 17.9	S23 25.9	025.2	-63.5
01		195 17.6	S23 25.9	050.3	-57.3
02		210 17.3	S23 25.9	068.3	-48.7
03		225 17.0	S23 25.9	082.0	-39.1
04		240 16.7	S23 25.8	093.5	-29.1
05		255 16.4	S23 25.8	104.0	-19.2
06		270 16.0	S23 25.8	114.3	-09.8
07		285 15.7	S23 25.8	125.1	-01.1
08		300 15.4	S23 25.7	136.6	+06.6
09		315 15.1	S23 25.7	149.1	+12.6
10		330 14.8	S23 25.7	162.7	+16.6
11		345 14.5	S23 25.7	177.0	+18.4
12		0 14.2	S23 25.6	191.4	+17.7
13		15 13.9	S23 25.6	205.4	+14.5
14		30 13.6	S23 25.6	218.3	+09.3
15		45 13.3	S23 25.5	230.3	+02.5
16		60 12.9	S23 25.5	241.3	-06.1
17		75 12.6	S23 25.4	251.7	-15.2
18		90 12.3	S23 25.4	262.1	-24.9
19		105 12.0	S23 25.4	273.0	-34.9
20		120 11.7	S23 25.3	285.6	-44.8
21		135 11.4	S23 25.3	301.5	-53.9
22		150 11.1	S23 25.3	323.3	-61.4
23		165 10.8	S23 25.2	353.0	-65.1
00	2026-12-24	180 10.5	S23 25.2	024.9	-63.5
01		195 10.2	S23 25.1	050.2	-57.4
02		210 09.9	S23 25.1	068.2	-48.8
03		225 09.5	S23 25.0	081.9	-39.1
04		240 09.2	S23 25.0	093.4	-29.2
05		255 08.9	S23 25.0	103.9	-19.3
06		270 08.6	S23 24.9	114.2	-09.9
07		285 08.3	S23 24.9	125.0	-01.2
08		300 08.0	S23 24.8	136.5	+06.5
09		315 07.7	S23 24.8	149.0	+12.5
10		330 07.4	S23 24.7	162.6	+16.6
11		345 07.1	S23 24.7	176.9	+18.4
12		0 06.8	S23 24.6	191.3	+17.7
13		15 06.5	S23 24.6	205.2	+14.6
14		30 06.1	S23 24.5	218.2	+09.3
15		45 05.8	S23 24.5	230.2	+02.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
16		60 05.5	S23 24.4	241.2	-06.0
17		75 05.2	S23 24.3	251.6	-15.1
18		90 04.9	S23 24.3	262.0	-24.9
19		105 04.6	S23 24.2	273.0	-34.8
20		120 04.3	S23 24.2	285.5	-44.7
21		135 04.0	S23 24.1	301.3	-53.9
22		150 03.7	S23 24.1	323.1	-61.3
23		165 03.4	S23 24.0	352.8	-65.1
00	2026-12-25	180 03.1	S23 23.9	024.7	-63.5
01		195 02.7	S23 23.9	050.0	-57.4
02		210 02.4	S23 23.8	068.0	-48.9
03		225 02.1	S23 23.8	081.8	-39.2
04		240 01.8	S23 23.7	093.3	-29.2
05		255 01.5	S23 23.6	103.8	-19.4
06		270 01.2	S23 23.6	114.1	-09.9
07		285 00.9	S23 23.5	124.9	-01.2
08		300 00.6	S23 23.4	136.4	+06.5
09		315 00.3	S23 23.4	148.9	+12.5
10		329 60.0	S23 23.3	162.4	+16.6
11		344 59.7	S23 23.2	176.7	+18.4
12		359 59.3	S23 23.1	191.2	+17.7
13		14 59.0	S23 23.1	205.1	+14.6
14		29 58.7	S23 23.0	218.1	+09.4
15		44 58.4	S23 22.9	230.1	+02.6
16		59 58.1	S23 22.9	241.1	-05.9
17		74 57.8	S23 22.8	251.6	-15.0
18		89 57.5	S23 22.7	262.0	-24.8
19		104 57.2	S23 22.6	272.9	-34.7
20		119 56.9	S23 22.6	285.4	-44.6
21		134 56.6	S23 22.5	301.2	-53.8
22		149 56.3	S23 22.4	323.0	-61.2
23		164 56.0	S23 22.3	352.5	-65.1
00	2026-12-26	179 55.6	S23 22.2	024.4	-63.6
01		194 55.3	S23 22.2	049.8	-57.5
02		209 55.0	S23 22.1	067.9	-48.9
03		224 54.7	S23 22.0	081.6	-39.3
04		239 54.4	S23 21.9	093.1	-29.3
05		254 54.1	S23 21.8	103.7	-19.4
06		269 53.8	S23 21.7	114.0	-10.0
07		284 53.5	S23 21.7	124.8	-01.3
08		299 53.2	S23 21.6	136.2	+06.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
09		314 52.9	S23 21.5	148.8	+12.5
10		329 52.6	S23 21.4	162.3	+16.6
11		344 52.3	S23 21.3	176.6	+18.4
12		359 51.9	S23 21.2	191.1	+17.8
13		14 51.6	S23 21.1	205.0	+14.7
14		29 51.3	S23 21.0	218.1	+09.5
15		44 51.0	S23 20.9	230.0	+02.7
16		59 50.7	S23 20.8	241.0	-05.8
17		74 50.4	S23 20.7	251.5	-14.9
18		89 50.1	S23 20.6	261.9	-24.6
19		104 49.8	S23 20.6	272.8	-34.6
20		119 49.5	S23 20.5	285.3	-44.5
21		134 49.2	S23 20.4	301.1	-53.7
22		149 48.9	S23 20.3	322.8	-61.1
23		164 48.6	S23 20.2	352.3	-65.0
00	2026-12-27	179 48.3	S23 20.1	024.1	-63.6
01		194 48.0	S23 20.0	049.5	-57.5
02		209 47.6	S23 19.9	067.7	-49.0
03		224 47.3	S23 19.8	081.5	-39.3
04		239 47.0	S23 19.7	093.0	-29.4
05		254 46.7	S23 19.6	103.6	-19.5
06		269 46.4	S23 19.4	113.9	-10.0
07		284 46.1	S23 19.3	124.6	-01.3
08		299 45.8	S23 19.2	136.1	+06.4
09		314 45.5	S23 19.1	148.6	+12.5
10		329 45.2	S23 19.0	162.2	+16.6
11		344 44.9	S23 18.9	176.5	+18.5
12		359 44.6	S23 18.8	191.0	+17.8
13		14 44.3	S23 18.7	204.9	+14.8
14		29 44.0	S23 18.6	218.0	+09.6
15		44 43.7	S23 18.5	229.9	+02.8
16		59 43.4	S23 18.4	241.0	-05.7
17		74 43.1	S23 18.2	251.5	-14.8
18		89 42.7	S23 18.1	261.8	-24.5
19		104 42.4	S23 18.0	272.8	-34.5
20		119 42.1	S23 17.9	285.3	-44.4
21		134 41.8	S23 17.8	301.0	-53.6
22		149 41.5	S23 17.7	322.6	-61.0
23		164 41.2	S23 17.5	352.0	-64.9
00	2026-12-28	179 40.9	S23 17.4	023.9	-63.5
01		194 40.6	S23 17.3	049.3	-57.5

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
02		209 40.3	S23 17.2	067.5	-49.0
03		224 40.0	S23 17.1	081.4	-39.4
04		239 39.7	S23 16.9	092.9	-29.4
05		254 39.4	S23 16.8	103.5	-19.5
06		269 39.1	S23 16.7	113.8	-10.1
07		284 38.8	S23 16.6	124.5	-01.3
08		299 38.5	S23 16.4	136.0	+06.4
09		314 38.2	S23 16.3	148.5	+12.5
10		329 37.9	S23 16.2	162.1	+16.7
11		344 37.6	S23 16.1	176.4	+18.5
12		359 37.2	S23 15.9	190.9	+17.9
13		14 36.9	S23 15.8	204.9	+14.8
14		29 36.6	S23 15.7	217.9	+09.7
15		44 36.3	S23 15.5	229.9	+02.9
16		59 36.0	S23 15.4	240.9	-05.6
17		74 35.7	S23 15.3	251.4	-14.7
18		89 35.4	S23 15.1	261.8	-24.4
19		104 35.1	S23 15.0	272.7	-34.4
20		119 34.8	S23 14.9	285.2	-44.3
21		134 34.5	S23 14.7	300.9	-53.5
22		149 34.2	S23 14.6	322.4	-60.9
23		164 33.9	S23 14.4	351.8	-64.9
00	2026-12-29	179 33.6	S23 14.3	023.6	-63.5
01		194 33.3	S23 14.2	049.1	-57.6
02		209 33.0	S23 14.0	067.4	-49.0
03		224 32.7	S23 13.9	081.2	-39.4
04		239 32.4	S23 13.7	092.8	-29.5
05		254 32.1	S23 13.6	103.3	-19.6
06		269 31.8	S23 13.5	113.7	-10.1
07		284 31.5	S23 13.3	124.4	-01.4
08		299 31.2	S23 13.2	135.9	+06.4
09		314 30.9	S23 13.0	148.4	+12.5
10		329 30.6	S23 12.9	161.9	+16.7
11		344 30.3	S23 12.7	176.3	+18.6
12		359 30.0	S23 12.6	190.8	+18.0
13		14 29.7	S23 12.4	204.8	+14.9
14		29 29.4	S23 12.3	217.8	+09.8
15		44 29.0	S23 12.1	229.8	+03.0
16		59 28.7	S23 12.0	240.9	-05.5
17		74 28.4	S23 11.8	251.4	-14.6
18		89 28.1	S23 11.7	261.8	-24.3
19		104 27.8	S23 11.5	272.7	-34.3

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
20		119 27.5	S23 11.4	285.2	-44.1
21		134 27.2	S23 11.2	300.8	-53.3
22		149 26.9	S23 11.1	322.3	-60.8
23		164 26.6	S23 10.9	351.5	-64.8
00	2026-12-30	179 26.3	S23 10.7	023.3	-63.5
01		194 26.0	S23 10.6	048.9	-57.6
02		209 25.7	S23 10.4	067.2	-49.1
03		224 25.4	S23 10.3	081.1	-39.5
04		239 25.1	S23 10.1	092.6	-29.5
05		254 24.8	S23 09.9	103.2	-19.6
06		269 24.5	S23 09.8	113.6	-10.1
07		284 24.2	S23 09.6	124.3	-01.4
08		299 23.9	S23 09.4	135.8	+06.4
09		314 23.6	S23 09.3	148.3	+12.5
10		329 23.3	S23 09.1	161.8	+16.7
11		344 23.0	S23 08.9	176.1	+18.6
12		359 22.7	S23 08.8	190.6	+18.0
13		14 22.4	S23 08.6	204.7	+15.0
14		29 22.1	S23 08.4	217.8	+09.9
15		44 21.8	S23 08.3	229.8	+03.1
16		59 21.5	S23 08.1	240.8	-05.3
17		74 21.2	S23 07.9	251.3	-14.5
18		89 20.9	S23 07.7	261.7	-24.2
19		104 20.6	S23 07.6	272.6	-34.1
20		119 20.3	S23 07.4	285.1	-44.0
21		134 20.0	S23 07.2	300.7	-53.2
22		149 19.7	S23 07.0	322.1	-60.7
23		164 19.4	S23 06.9	351.3	-64.7
00	2026-12-31	179 19.1	S23 06.7	023.0	-63.5
01		194 18.8	S23 06.5	048.6	-57.6
02		209 18.5	S23 06.3	067.0	-49.1
03		224 18.2	S23 06.2	080.9	-39.5
04		239 17.9	S23 06.0	092.5	-29.5
05		254 17.6	S23 05.8	103.1	-19.6
06		269 17.3	S23 05.6	113.4	-10.1
07		284 17.0	S23 05.4	124.1	-01.4
08		299 16.7	S23 05.2	135.6	+06.4
09		314 16.4	S23 05.1	148.1	+12.5
10		329 16.1	S23 04.9	161.7	+16.8
11		344 15.8	S23 04.7	176.0	+18.7
12		359 15.5	S23 04.5	190.5	+18.1

Fortsetzung auf nächster Seite...

UT	Datum	GHA	Dec	Azimut	Altitude
13		14 15.2	S23 04.3	204.6	+15.1
14		29 14.9	S23 04.1	217.7	+10.0
15		44 14.6	S23 03.9	229.7	+03.2
16		59 14.3	S23 03.7	240.8	-05.2
17		74 14.0	S23 03.6	251.3	-14.3
18		89 13.7	S23 03.4	261.7	-24.0
19		104 13.4	S23 03.2	272.6	-34.0
20		119 13.2	S23 03.0	285.1	-43.9
21		134 12.9	S23 02.8	300.7	-53.1
22		149 12.6	S23 02.6	322.0	-60.6
23		164 12.3	S23 02.4	351.0	-64.7