

Nautical Almanac: Sonne 2023 (Stündlich)

Generiert via Python/Skyfield

August 8, 2026

Greenwich Hour Angle (GHA) und Deklination (Dec) der

UT	Datum	SUN	SUN
h	d	GHA	Dec
		° '.	[N/S] ° '.
00	2023-01-01	179 12.1	S23 02.4
01		194 11.8	S23 02.2
02		209 11.5	S23 02.0
03		224 11.2	S23 01.8
04		239 11.0	S23 01.6
05		254 10.7	S23 01.4
06		269 10.4	S23 01.2
07		284 10.1	S23 01.0
08		299 09.8	S23 00.8
09		314 09.5	S23 00.6
10		329 09.2	S23 00.4
11		344 08.9	S23 00.2
12		359 08.6	S22 60.0
13		14 08.3	S22 59.8
14		29 08.0	S22 59.6
15		44 07.7	S22 59.3
16		59 07.4	S22 59.1
17		74 07.1	S22 58.9
18		89 06.8	S22 58.7
19		104 06.5	S22 58.5
20		119 06.2	S22 58.3
21		134 05.9	S22 58.1
22		149 05.7	S22 57.9
23		164 05.4	S22 57.6
00	2023-01-02	179 05.1	S22 57.4
01		194 04.8	S22 57.2
02		209 04.5	S22 57.0
03		224 04.2	S22 56.8
04		239 03.9	S22 56.6
05		254 03.6	S22 56.3
06		269 03.3	S22 56.1
07		284 03.0	S22 55.9
08		299 02.7	S22 55.7
09		314 02.4	S22 55.5
10		329 02.2	S22 55.2
11		344 01.9	S22 55.0
12		359 01.6	S22 54.8
13		14 01.3	S22 54.6
14		29 01.0	S22 54.3
15		44 00.7	S22 54.1
16		59 00.4	S22 53.9
17		74 00.1	S22 53.7
18		88 59.8	S22 53.4
19		103 59.5	S22 53.2
20		118 59.3	S22 53.0

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
21		133 59.0	S22 52.7
22		148 58.7	S22 52.5
23		163 58.4	S22 52.3
00	2023-01-03	178 58.1	S22 52.0
01		193 57.8	S22 51.8
02		208 57.5	S22 51.6
03		223 57.2	S22 51.3
04		238 56.9	S22 51.1
05		253 56.7	S22 50.8
06		268 56.4	S22 50.6
07		283 56.1	S22 50.4
08		298 55.8	S22 50.1
09		313 55.5	S22 49.9
10		328 55.2	S22 49.6
11		343 54.9	S22 49.4
12		358 54.6	S22 49.2
13		13 54.4	S22 48.9
14		28 54.1	S22 48.7
15		43 53.8	S22 48.4
16		58 53.5	S22 48.2
17		73 53.2	S22 47.9
18		88 52.9	S22 47.7
19		103 52.6	S22 47.4
20		118 52.4	S22 47.2
21		133 52.1	S22 46.9
22		148 51.8	S22 46.7
23		163 51.5	S22 46.4
00	2023-01-04	178 51.2	S22 46.2
01		193 50.9	S22 45.9
02		208 50.6	S22 45.7
03		223 50.4	S22 45.4
04		238 50.1	S22 45.1
05		253 49.8	S22 44.9
06		268 49.5	S22 44.6
07		283 49.2	S22 44.4
08		298 48.9	S22 44.1
09		313 48.7	S22 43.9
10		328 48.4	S22 43.6
11		343 48.1	S22 43.3
12		358 47.8	S22 43.1
13		13 47.5	S22 42.8
14		28 47.2	S22 42.5
15		43 47.0	S22 42.3
16		58 46.7	S22 42.0
17		73 46.4	S22 41.7
18		88 46.1	S22 41.5
19		103 45.8	S22 41.2
20		118 45.6	S22 40.9
21		133 45.3	S22 40.7
22		148 45.0	S22 40.4
23		163 44.7	S22 40.1
00	2023-01-05	178 44.4	S22 39.9
01		193 44.1	S22 39.6
02		208 43.9	S22 39.3
03		223 43.6	S22 39.0
04		238 43.3	S22 38.8
05		253 43.0	S22 38.5
06		268 42.8	S22 38.2
07		283 42.5	S22 37.9
08		298 42.2	S22 37.6
09		313 41.9	S22 37.4
10		328 41.6	S22 37.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
11		343 41.4	S22 36.8
12		358 41.1	S22 36.5
13		13 40.8	S22 36.2
14		28 40.5	S22 36.0
15		43 40.2	S22 35.7
16		58 40.0	S22 35.4
17		73 39.7	S22 35.1
18		88 39.4	S22 34.8
19		103 39.1	S22 34.5
20		118 38.9	S22 34.2
21		133 38.6	S22 34.0
22		148 38.3	S22 33.7
23		163 38.0	S22 33.4
00	2023-01-06	178 37.8	S22 33.1
01		193 37.5	S22 32.8
02		208 37.2	S22 32.5
03		223 36.9	S22 32.2
04		238 36.7	S22 31.9
05		253 36.4	S22 31.6
06		268 36.1	S22 31.3
07		283 35.8	S22 31.0
08		298 35.6	S22 30.7
09		313 35.3	S22 30.4
10		328 35.0	S22 30.1
11		343 34.7	S22 29.8
12		358 34.5	S22 29.5
13		13 34.2	S22 29.2
14		28 33.9	S22 28.9
15		43 33.6	S22 28.6
16		58 33.4	S22 28.3
17		73 33.1	S22 28.0
18		88 32.8	S22 27.7
19		103 32.6	S22 27.4
20		118 32.3	S22 27.1
21		133 32.0	S22 26.8
22		148 31.7	S22 26.5
23		163 31.5	S22 26.2
00	2023-01-07	178 31.2	S22 25.9
01		193 30.9	S22 25.6
02		208 30.7	S22 25.3
03		223 30.4	S22 25.0
04		238 30.1	S22 24.6
05		253 29.8	S22 24.3
06		268 29.6	S22 24.0
07		283 29.3	S22 23.7
08		298 29.0	S22 23.4
09		313 28.8	S22 23.1
10		328 28.5	S22 22.8
11		343 28.2	S22 22.4
12		358 28.0	S22 22.1
13		13 27.7	S22 21.8
14		28 27.4	S22 21.5
15		43 27.2	S22 21.2
16		58 26.9	S22 20.8
17		73 26.6	S22 20.5
18		88 26.3	S22 20.2
19		103 26.1	S22 19.9
20		118 25.8	S22 19.5
21		133 25.5	S22 19.2
22		148 25.3	S22 18.9
23		163 25.0	S22 18.6
00	2023-01-08	178 24.8	S22 18.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
01		193 24.5	S22 17.9
02		208 24.2	S22 17.6
03		223 24.0	S22 17.3
04		238 23.7	S22 16.9
05		253 23.4	S22 16.6
06		268 23.2	S22 16.3
07		283 22.9	S22 15.9
08		298 22.6	S22 15.6
09		313 22.4	S22 15.3
10		328 22.1	S22 14.9
11		343 21.8	S22 14.6
12		358 21.6	S22 14.3
13		13 21.3	S22 13.9
14		28 21.0	S22 13.6
15		43 20.8	S22 13.2
16		58 20.5	S22 12.9
17		73 20.3	S22 12.6
18		88 20.0	S22 12.2
19		103 19.7	S22 11.9
20		118 19.5	S22 11.5
21		133 19.2	S22 11.2
22		148 19.0	S22 10.8
23		163 18.7	S22 10.5
00	2023-01-09	178 18.4	S22 10.2
01		193 18.2	S22 09.8
02		208 17.9	S22 09.5
03		223 17.7	S22 09.1
04		238 17.4	S22 08.8
05		253 17.1	S22 08.4
06		268 16.9	S22 08.1
07		283 16.6	S22 07.7
08		298 16.4	S22 07.4
09		313 16.1	S22 07.0
10		328 15.8	S22 06.7
11		343 15.6	S22 06.3
12		358 15.3	S22 06.0
13		13 15.1	S22 05.6
14		28 14.8	S22 05.2
15		43 14.5	S22 04.9
16		58 14.3	S22 04.5
17		73 14.0	S22 04.2
18		88 13.8	S22 03.8
19		103 13.5	S22 03.4
20		118 13.3	S22 03.1
21		133 13.0	S22 02.7
22		148 12.8	S22 02.4
23		163 12.5	S22 02.0
00	2023-01-10	178 12.2	S22 01.6
01		193 12.0	S22 01.3
02		208 11.7	S22 00.9
03		223 11.5	S22 00.5
04		238 11.2	S22 00.2
05		253 11.0	S21 59.8
06		268 10.7	S21 59.4
07		283 10.5	S21 59.1
08		298 10.2	S21 58.7
09		313 10.0	S21 58.3
10		328 09.7	S21 58.0
11		343 09.5	S21 57.6
12		358 09.2	S21 57.2
13		13 08.9	S21 56.8
14		28 08.7	S21 56.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
15		43 08.4	S21 56.1
16		58 08.2	S21 55.7
17		73 07.9	S21 55.3
18		88 07.7	S21 55.0
19		103 07.4	S21 54.6
20		118 07.2	S21 54.2
21		133 06.9	S21 53.8
22		148 06.7	S21 53.5
23		163 06.4	S21 53.1
00	2023-01-11	178 06.2	S21 52.7
01		193 05.9	S21 52.3
02		208 05.7	S21 51.9
03		223 05.4	S21 51.5
04		238 05.2	S21 51.2
05		253 04.9	S21 50.8
06		268 04.7	S21 50.4
07		283 04.5	S21 50.0
08		298 04.2	S21 49.6
09		313 04.0	S21 49.2
10		328 03.7	S21 48.8
11		343 03.5	S21 48.4
12		358 03.2	S21 48.1
13		13 03.0	S21 47.7
14		28 02.7	S21 47.3
15		43 02.5	S21 46.9
16		58 02.2	S21 46.5
17		73 02.0	S21 46.1
18		88 01.7	S21 45.7
19		103 01.5	S21 45.3
20		118 01.3	S21 44.9
21		133 01.0	S21 44.5
22		148 00.8	S21 44.1
23		163 00.5	S21 43.7
00	2023-01-12	178 00.3	S21 43.3
01		193 00.0	S21 42.9
02		207 59.8	S21 42.5
03		222 59.6	S21 42.1
04		237 59.3	S21 41.7
05		252 59.1	S21 41.3
06		267 58.8	S21 40.9
07		282 58.6	S21 40.5
08		297 58.3	S21 40.1
09		312 58.1	S21 39.7
10		327 57.9	S21 39.3
11		342 57.6	S21 38.9
12		357 57.4	S21 38.5
13		12 57.1	S21 38.1
14		27 56.9	S21 37.7
15		42 56.7	S21 37.2
16		57 56.4	S21 36.8
17		72 56.2	S21 36.4
18		87 55.9	S21 36.0
19		102 55.7	S21 35.6
20		117 55.5	S21 35.2
21		132 55.2	S21 34.8
22		147 55.0	S21 34.4
23		162 54.8	S21 33.9
00	2023-01-13	177 54.5	S21 33.5
01		192 54.3	S21 33.1
02		207 54.0	S21 32.7
03		222 53.8	S21 32.3
04		237 53.6	S21 31.8

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
05		252 53.3	S21 31.4
06		267 53.1	S21 31.0
07		282 52.9	S21 30.6
08		297 52.6	S21 30.2
09		312 52.4	S21 29.7
10		327 52.2	S21 29.3
11		342 51.9	S21 28.9
12		357 51.7	S21 28.5
13		12 51.5	S21 28.0
14		27 51.2	S21 27.6
15		42 51.0	S21 27.2
16		57 50.8	S21 26.8
17		72 50.5	S21 26.3
18		87 50.3	S21 25.9
19		102 50.1	S21 25.5
20		117 49.8	S21 25.0
21		132 49.6	S21 24.6
22		147 49.4	S21 24.2
23		162 49.1	S21 23.7
00	2023-01-14	177 48.9	S21 23.3
01		192 48.7	S21 22.9
02		207 48.4	S21 22.4
03		222 48.2	S21 22.0
04		237 48.0	S21 21.6
05		252 47.7	S21 21.1
06		267 47.5	S21 20.7
07		282 47.3	S21 20.3
08		297 47.1	S21 19.8
09		312 46.8	S21 19.4
10		327 46.6	S21 18.9
11		342 46.4	S21 18.5
12		357 46.1	S21 18.0
13		12 45.9	S21 17.6
14		27 45.7	S21 17.2
15		42 45.5	S21 16.7
16		57 45.2	S21 16.3
17		72 45.0	S21 15.8
18		87 44.8	S21 15.4
19		102 44.6	S21 14.9
20		117 44.3	S21 14.5
21		132 44.1	S21 14.0
22		147 43.9	S21 13.6
23		162 43.7	S21 13.1
00	2023-01-15	177 43.4	S21 12.7
01		192 43.2	S21 12.2
02		207 43.0	S21 11.8
03		222 42.8	S21 11.3
04		237 42.5	S21 10.9
05		252 42.3	S21 10.4
06		267 42.1	S21 10.0
07		282 41.9	S21 09.5
08		297 41.7	S21 09.0
09		312 41.4	S21 08.6
10		327 41.2	S21 08.1
11		342 41.0	S21 07.7
12		357 40.8	S21 07.2
13		12 40.5	S21 06.8
14		27 40.3	S21 06.3
15		42 40.1	S21 05.8
16		57 39.9	S21 05.4
17		72 39.7	S21 04.9
18		87 39.4	S21 04.4

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
19		102 39.2	S21 04.0
20		117 39.0	S21 03.5
21		132 38.8	S21 03.0
22		147 38.6	S21 02.6
23		162 38.4	S21 02.1
00	2023-01-16	177 38.1	S21 01.6
01		192 37.9	S21 01.2
02		207 37.7	S21 00.7
03		222 37.5	S21 00.2
04		237 37.3	S20 59.8
05		252 37.1	S20 59.3
06		267 36.8	S20 58.8
07		282 36.6	S20 58.4
08		297 36.4	S20 57.9
09		312 36.2	S20 57.4
10		327 36.0	S20 56.9
11		342 35.8	S20 56.5
12		357 35.5	S20 56.0
13		12 35.3	S20 55.5
14		27 35.1	S20 55.0
15		42 34.9	S20 54.5
16		57 34.7	S20 54.1
17		72 34.5	S20 53.6
18		87 34.3	S20 53.1
19		102 34.1	S20 52.6
20		117 33.8	S20 52.1
21		132 33.6	S20 51.7
22		147 33.4	S20 51.2
23		162 33.2	S20 50.7
00	2023-01-17	177 33.0	S20 50.2
01		192 32.8	S20 49.7
02		207 32.6	S20 49.2
03		222 32.4	S20 48.8
04		237 32.2	S20 48.3
05		252 32.0	S20 47.8
06		267 31.7	S20 47.3
07		282 31.5	S20 46.8
08		297 31.3	S20 46.3
09		312 31.1	S20 45.8
10		327 30.9	S20 45.3
11		342 30.7	S20 44.8
12		357 30.5	S20 44.3
13		12 30.3	S20 43.8
14		27 30.1	S20 43.4
15		42 29.9	S20 42.9
16		57 29.7	S20 42.4
17		72 29.5	S20 41.9
18		87 29.3	S20 41.4
19		102 29.1	S20 40.9
20		117 28.8	S20 40.4
21		132 28.6	S20 39.9
22		147 28.4	S20 39.4
23		162 28.2	S20 38.9
00	2023-01-18	177 28.0	S20 38.4
01		192 27.8	S20 37.9
02		207 27.6	S20 37.4
03		222 27.4	S20 36.9
04		237 27.2	S20 36.4
05		252 27.0	S20 35.9
06		267 26.8	S20 35.4
07		282 26.6	S20 34.8
08		297 26.4	S20 34.3

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
09		312 26.2	S20 33.8
10		327 26.0	S20 33.3
11		342 25.8	S20 32.8
12		357 25.6	S20 32.3
13		12 25.4	S20 31.8
14		27 25.2	S20 31.3
15		42 25.0	S20 30.8
16		57 24.8	S20 30.3
17		72 24.6	S20 29.8
18		87 24.4	S20 29.2
19		102 24.2	S20 28.7
20		117 24.0	S20 28.2
21		132 23.8	S20 27.7
22		147 23.6	S20 27.2
23		162 23.4	S20 26.7
00	2023-01-19	177 23.2	S20 26.1
01		192 23.0	S20 25.6
02		207 22.8	S20 25.1
03		222 22.7	S20 24.6
04		237 22.5	S20 24.1
05		252 22.3	S20 23.5
06		267 22.1	S20 23.0
07		282 21.9	S20 22.5
08		297 21.7	S20 22.0
09		312 21.5	S20 21.5
10		327 21.3	S20 20.9
11		342 21.1	S20 20.4
12		357 20.9	S20 19.9
13		12 20.7	S20 19.4
14		27 20.5	S20 18.8
15		42 20.3	S20 18.3
16		57 20.1	S20 17.8
17		72 19.9	S20 17.2
18		87 19.8	S20 16.7
19		102 19.6	S20 16.2
20		117 19.4	S20 15.7
21		132 19.2	S20 15.1
22		147 19.0	S20 14.6
23		162 18.8	S20 14.1
00	2023-01-20	177 18.6	S20 13.5
01		192 18.4	S20 13.0
02		207 18.2	S20 12.5
03		222 18.1	S20 11.9
04		237 17.9	S20 11.4
05		252 17.7	S20 10.9
06		267 17.5	S20 10.3
07		282 17.3	S20 09.8
08		297 17.1	S20 09.2
09		312 16.9	S20 08.7
10		327 16.8	S20 08.2
11		342 16.6	S20 07.6
12		357 16.4	S20 07.1
13		12 16.2	S20 06.5
14		27 16.0	S20 06.0
15		42 15.8	S20 05.5
16		57 15.6	S20 04.9
17		72 15.5	S20 04.4
18		87 15.3	S20 03.8
19		102 15.1	S20 03.3
20		117 14.9	S20 02.7
21		132 14.7	S20 02.2
22		147 14.6	S20 01.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
23		162 14.4	S20 01.1
00	2023-01-21	177 14.2	S20 00.5
01		192 14.0	S19 60.0
02		207 13.8	S19 59.4
03		222 13.6	S19 58.9
04		237 13.5	S19 58.3
05		252 13.3	S19 57.8
06		267 13.1	S19 57.2
07		282 12.9	S19 56.7
08		297 12.8	S19 56.1
09		312 12.6	S19 55.6
10		327 12.4	S19 55.0
11		342 12.2	S19 54.5
12		357 12.0	S19 53.9
13		12 11.9	S19 53.3
14		27 11.7	S19 52.8
15		42 11.5	S19 52.2
16		57 11.3	S19 51.7
17		72 11.2	S19 51.1
18		87 11.0	S19 50.5
19		102 10.8	S19 50.0
20		117 10.6	S19 49.4
21		132 10.5	S19 48.9
22		147 10.3	S19 48.3
23		162 10.1	S19 47.7
00	2023-01-22	177 09.9	S19 47.2
01		192 09.8	S19 46.6
02		207 09.6	S19 46.0
03		222 09.4	S19 45.5
04		237 09.3	S19 44.9
05		252 09.1	S19 44.3
06		267 08.9	S19 43.8
07		282 08.7	S19 43.2
08		297 08.6	S19 42.6
09		312 08.4	S19 42.1
10		327 08.2	S19 41.5
11		342 08.1	S19 40.9
12		357 07.9	S19 40.3
13		12 07.7	S19 39.8
14		27 07.6	S19 39.2
15		42 07.4	S19 38.6
16		57 07.2	S19 38.0
17		72 07.0	S19 37.5
18		87 06.9	S19 36.9
19		102 06.7	S19 36.3
20		117 06.5	S19 35.7
21		132 06.4	S19 35.2
22		147 06.2	S19 34.6
23		162 06.0	S19 34.0
00	2023-01-23	177 05.9	S19 33.4
01		192 05.7	S19 32.8
02		207 05.6	S19 32.3
03		222 05.4	S19 31.7
04		237 05.2	S19 31.1
05		252 05.1	S19 30.5
06		267 04.9	S19 29.9
07		282 04.7	S19 29.3
08		297 04.6	S19 28.8
09		312 04.4	S19 28.2
10		327 04.3	S19 27.6
11		342 04.1	S19 27.0
12		357 03.9	S19 26.4

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
13		12 03.8	S19 25.8
14		27 03.6	S19 25.2
15		42 03.4	S19 24.7
16		57 03.3	S19 24.1
17		72 03.1	S19 23.5
18		87 03.0	S19 22.9
19		102 02.8	S19 22.3
20		117 02.7	S19 21.7
21		132 02.5	S19 21.1
22		147 02.3	S19 20.5
23		162 02.2	S19 19.9
00	2023-01-24	177 02.0	S19 19.3
01		192 01.9	S19 18.7
02		207 01.7	S19 18.1
03		222 01.6	S19 17.5
04		237 01.4	S19 16.9
05		252 01.2	S19 16.3
06		267 01.1	S19 15.7
07		282 00.9	S19 15.1
08		297 00.8	S19 14.5
09		312 00.6	S19 13.9
10		327 00.5	S19 13.3
11		342 00.3	S19 12.7
12		357 00.2	S19 12.1
13		12 00.0	S19 11.5
14		26 59.9	S19 10.9
15		41 59.7	S19 10.3
16		56 59.6	S19 09.7
17		71 59.4	S19 09.1
18		86 59.3	S19 08.5
19		101 59.1	S19 07.9
20		116 59.0	S19 07.3
21		131 58.8	S19 06.7
22		146 58.7	S19 06.1
23		161 58.5	S19 05.5
00	2023-01-25	176 58.4	S19 04.9
01		191 58.2	S19 04.3
02		206 58.1	S19 03.6
03		221 57.9	S19 03.0
04		236 57.8	S19 02.4
05		251 57.6	S19 01.8
06		266 57.5	S19 01.2
07		281 57.3	S19 00.6
08		296 57.2	S18 60.0
09		311 57.0	S18 59.3
10		326 56.9	S18 58.7
11		341 56.8	S18 58.1
12		356 56.6	S18 57.5
13		11 56.5	S18 56.9
14		26 56.3	S18 56.3
15		41 56.2	S18 55.6
16		56 56.0	S18 55.0
17		71 55.9	S18 54.4
18		86 55.8	S18 53.8
19		101 55.6	S18 53.2
20		116 55.5	S18 52.5
21		131 55.3	S18 51.9
22		146 55.2	S18 51.3
23		161 55.0	S18 50.7
00	2023-01-26	176 54.9	S18 50.1
01		191 54.8	S18 49.4
02		206 54.6	S18 48.8

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
03		221 54.5	S18 48.2
04		236 54.3	S18 47.5
05		251 54.2	S18 46.9
06		266 54.1	S18 46.3
07		281 53.9	S18 45.7
08		296 53.8	S18 45.0
09		311 53.7	S18 44.4
10		326 53.5	S18 43.8
11		341 53.4	S18 43.1
12		356 53.3	S18 42.5
13		11 53.1	S18 41.9
14		26 53.0	S18 41.3
15		41 52.8	S18 40.6
16		56 52.7	S18 40.0
17		71 52.6	S18 39.4
18		86 52.4	S18 38.7
19		101 52.3	S18 38.1
20		116 52.2	S18 37.4
21		131 52.0	S18 36.8
22		146 51.9	S18 36.2
23		161 51.8	S18 35.5
00	2023-01-27	176 51.6	S18 34.9
01		191 51.5	S18 34.3
02		206 51.4	S18 33.6
03		221 51.3	S18 33.0
04		236 51.1	S18 32.3
05		251 51.0	S18 31.7
06		266 50.9	S18 31.1
07		281 50.7	S18 30.4
08		296 50.6	S18 29.8
09		311 50.5	S18 29.1
10		326 50.4	S18 28.5
11		341 50.2	S18 27.8
12		356 50.1	S18 27.2
13		11 50.0	S18 26.6
14		26 49.8	S18 25.9
15		41 49.7	S18 25.3
16		56 49.6	S18 24.6
17		71 49.5	S18 24.0
18		86 49.3	S18 23.3
19		101 49.2	S18 22.7
20		116 49.1	S18 22.0
21		131 49.0	S18 21.4
22		146 48.8	S18 20.7
23		161 48.7	S18 20.1
00	2023-01-28	176 48.6	S18 19.4
01		191 48.5	S18 18.8
02		206 48.4	S18 18.1
03		221 48.2	S18 17.5
04		236 48.1	S18 16.8
05		251 48.0	S18 16.1
06		266 47.9	S18 15.5
07		281 47.8	S18 14.8
08		296 47.6	S18 14.2
09		311 47.5	S18 13.5
10		326 47.4	S18 12.9
11		341 47.3	S18 12.2
12		356 47.2	S18 11.5
13		11 47.0	S18 10.9
14		26 46.9	S18 10.2
15		41 46.8	S18 09.6
16		56 46.7	S18 08.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
17		71 46.6	S18 08.2
18		86 46.5	S18 07.6
19		101 46.3	S18 06.9
20		116 46.2	S18 06.3
21		131 46.1	S18 05.6
22		146 46.0	S18 04.9
23		161 45.9	S18 04.3
00	2023-01-29	176 45.8	S18 03.6
01		191 45.6	S18 02.9
02		206 45.5	S18 02.3
03		221 45.4	S18 01.6
04		236 45.3	S18 00.9
05		251 45.2	S18 00.3
06		266 45.1	S17 59.6
07		281 45.0	S17 58.9
08		296 44.9	S17 58.2
09		311 44.7	S17 57.6
10		326 44.6	S17 56.9
11		341 44.5	S17 56.2
12		356 44.4	S17 55.6
13		11 44.3	S17 54.9
14		26 44.2	S17 54.2
15		41 44.1	S17 53.5
16		56 44.0	S17 52.9
17		71 43.9	S17 52.2
18		86 43.8	S17 51.5
19		101 43.7	S17 50.8
20		116 43.6	S17 50.2
21		131 43.4	S17 49.5
22		146 43.3	S17 48.8
23		161 43.2	S17 48.1
00	2023-01-30	176 43.1	S17 47.4
01		191 43.0	S17 46.8
02		206 42.9	S17 46.1
03		221 42.8	S17 45.4
04		236 42.7	S17 44.7
05		251 42.6	S17 44.0
06		266 42.5	S17 43.4
07		281 42.4	S17 42.7
08		296 42.3	S17 42.0
09		311 42.2	S17 41.3
10		326 42.1	S17 40.6
11		341 42.0	S17 39.9
12		356 41.9	S17 39.3
13		11 41.8	S17 38.6
14		26 41.7	S17 37.9
15		41 41.6	S17 37.2
16		56 41.5	S17 36.5
17		71 41.4	S17 35.8
18		86 41.3	S17 35.1
19		101 41.2	S17 34.4
20		116 41.1	S17 33.8
21		131 41.0	S17 33.1
22		146 40.9	S17 32.4
23		161 40.8	S17 31.7
00	2023-01-31	176 40.7	S17 31.0
01		191 40.6	S17 30.3
02		206 40.5	S17 29.6
03		221 40.4	S17 28.9
04		236 40.3	S17 28.2
05		251 40.2	S17 27.5
06		266 40.1	S17 26.8

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
07		281 40.0	S17 26.1
08		296 39.9	S17 25.4
09		311 39.8	S17 24.7
10		326 39.8	S17 24.0
11		341 39.7	S17 23.3
12		356 39.6	S17 22.6
13		11 39.5	S17 21.9
14		26 39.4	S17 21.2
15		41 39.3	S17 20.5
16		56 39.2	S17 19.8
17		71 39.1	S17 19.1
18		86 39.0	S17 18.4
19		101 38.9	S17 17.7
20		116 38.8	S17 17.0
21		131 38.7	S17 16.3
22		146 38.7	S17 15.6
23		161 38.6	S17 14.9
00	2023-02-01	176 38.5	S17 14.2
01		191 38.4	S17 13.5
02		206 38.3	S17 12.8
03		221 38.2	S17 12.1
04		236 38.1	S17 11.4
05		251 38.0	S17 10.7
06		266 38.0	S17 10.0
07		281 37.9	S17 09.3
08		296 37.8	S17 08.6
09		311 37.7	S17 07.9
10		326 37.6	S17 07.1
11		341 37.5	S17 06.4
12		356 37.5	S17 05.7
13		11 37.4	S17 05.0
14		26 37.3	S17 04.3
15		41 37.2	S17 03.6
16		56 37.1	S17 02.9
17		71 37.0	S17 02.2
18		86 37.0	S17 01.4
19		101 36.9	S17 00.7
20		116 36.8	S17 00.0
21		131 36.7	S16 59.3
22		146 36.6	S16 58.6
23		161 36.6	S16 57.9
00	2023-02-02	176 36.5	S16 57.2
01		191 36.4	S16 56.4
02		206 36.3	S16 55.7
03		221 36.2	S16 55.0
04		236 36.2	S16 54.3
05		251 36.1	S16 53.6
06		266 36.0	S16 52.8
07		281 35.9	S16 52.1
08		296 35.8	S16 51.4
09		311 35.8	S16 50.7
10		326 35.7	S16 50.0
11		341 35.6	S16 49.2
12		356 35.5	S16 48.5
13		11 35.5	S16 47.8
14		26 35.4	S16 47.1
15		41 35.3	S16 46.3
16		56 35.2	S16 45.6
17		71 35.2	S16 44.9
18		86 35.1	S16 44.2
19		101 35.0	S16 43.4
20		116 35.0	S16 42.7

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
21		131 34.9	S16 42.0
22		146 34.8	S16 41.2
23		161 34.7	S16 40.5
00	2023-02-03	176 34.7	S16 39.8
01		191 34.6	S16 39.1
02		206 34.5	S16 38.3
03		221 34.5	S16 37.6
04		236 34.4	S16 36.9
05		251 34.3	S16 36.1
06		266 34.2	S16 35.4
07		281 34.2	S16 34.7
08		296 34.1	S16 33.9
09		311 34.0	S16 33.2
10		326 34.0	S16 32.5
11		341 33.9	S16 31.7
12		356 33.8	S16 31.0
13		11 33.8	S16 30.3
14		26 33.7	S16 29.5
15		41 33.6	S16 28.8
16		56 33.6	S16 28.0
17		71 33.5	S16 27.3
18		86 33.4	S16 26.6
19		101 33.4	S16 25.8
20		116 33.3	S16 25.1
21		131 33.3	S16 24.3
22		146 33.2	S16 23.6
23		161 33.1	S16 22.9
00	2023-02-04	176 33.1	S16 22.1
01		191 33.0	S16 21.4
02		206 32.9	S16 20.6
03		221 32.9	S16 19.9
04		236 32.8	S16 19.2
05		251 32.8	S16 18.4
06		266 32.7	S16 17.7
07		281 32.6	S16 16.9
08		296 32.6	S16 16.2
09		311 32.5	S16 15.4
10		326 32.5	S16 14.7
11		341 32.4	S16 13.9
12		356 32.3	S16 13.2
13		11 32.3	S16 12.4
14		26 32.2	S16 11.7
15		41 32.2	S16 10.9
16		56 32.1	S16 10.2
17		71 32.1	S16 09.4
18		86 32.0	S16 08.7
19		101 31.9	S16 07.9
20		116 31.9	S16 07.2
21		131 31.8	S16 06.4
22		146 31.8	S16 05.7
23		161 31.7	S16 04.9
00	2023-02-05	176 31.7	S16 04.2
01		191 31.6	S16 03.4
02		206 31.6	S16 02.7
03		221 31.5	S16 01.9
04		236 31.5	S16 01.2
05		251 31.4	S16 00.4
06		266 31.4	S15 59.7
07		281 31.3	S15 58.9
08		296 31.3	S15 58.1
09		311 31.2	S15 57.4
10		326 31.2	S15 56.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
11		341 31.1	S15 55.9
12		356 31.1	S15 55.1
13		11 31.0	S15 54.4
14		26 31.0	S15 53.6
15		41 30.9	S15 52.8
16		56 30.9	S15 52.1
17		71 30.8	S15 51.3
18		86 30.8	S15 50.6
19		101 30.7	S15 49.8
20		116 30.7	S15 49.0
21		131 30.6	S15 48.3
22		146 30.6	S15 47.5
23		161 30.5	S15 46.7
00	2023-02-06	176 30.5	S15 46.0
01		191 30.4	S15 45.2
02		206 30.4	S15 44.4
03		221 30.3	S15 43.7
04		236 30.3	S15 42.9
05		251 30.3	S15 42.1
06		266 30.2	S15 41.4
07		281 30.2	S15 40.6
08		296 30.1	S15 39.8
09		311 30.1	S15 39.1
10		326 30.0	S15 38.3
11		341 30.0	S15 37.5
12		356 30.0	S15 36.8
13		11 29.9	S15 36.0
14		26 29.9	S15 35.2
15		41 29.8	S15 34.5
16		56 29.8	S15 33.7
17		71 29.8	S15 32.9
18		86 29.7	S15 32.1
19		101 29.7	S15 31.4
20		116 29.6	S15 30.6
21		131 29.6	S15 29.8
22		146 29.6	S15 29.0
23		161 29.5	S15 28.3
00	2023-02-07	176 29.5	S15 27.5
01		191 29.5	S15 26.7
02		206 29.4	S15 25.9
03		221 29.4	S15 25.2
04		236 29.3	S15 24.4
05		251 29.3	S15 23.6
06		266 29.3	S15 22.8
07		281 29.2	S15 22.0
08		296 29.2	S15 21.3
09		311 29.2	S15 20.5
10		326 29.1	S15 19.7
11		341 29.1	S15 18.9
12		356 29.1	S15 18.1
13		11 29.0	S15 17.4
14		26 29.0	S15 16.6
15		41 29.0	S15 15.8
16		56 28.9	S15 15.0
17		71 28.9	S15 14.2
18		86 28.9	S15 13.5
19		101 28.8	S15 12.7
20		116 28.8	S15 11.9
21		131 28.8	S15 11.1
22		146 28.8	S15 10.3
23		161 28.7	S15 09.5
00	2023-02-08	176 28.7	S15 08.7

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
01		191 28.7	S15 08.0
02		206 28.6	S15 07.2
03		221 28.6	S15 06.4
04		236 28.6	S15 05.6
05		251 28.6	S15 04.8
06		266 28.5	S15 04.0
07		281 28.5	S15 03.2
08		296 28.5	S15 02.4
09		311 28.5	S15 01.6
10		326 28.4	S15 00.9
11		341 28.4	S15 00.1
12		356 28.4	S14 59.3
13		11 28.4	S14 58.5
14		26 28.3	S14 57.7
15		41 28.3	S14 56.9
16		56 28.3	S14 56.1
17		71 28.3	S14 55.3
18		86 28.2	S14 54.5
19		101 28.2	S14 53.7
20		116 28.2	S14 52.9
21		131 28.2	S14 52.1
22		146 28.1	S14 51.3
23		161 28.1	S14 50.5
00	2023-02-09	176 28.1	S14 49.7
01		191 28.1	S14 48.9
02		206 28.1	S14 48.1
03		221 28.0	S14 47.3
04		236 28.0	S14 46.5
05		251 28.0	S14 45.7
06		266 28.0	S14 44.9
07		281 28.0	S14 44.1
08		296 27.9	S14 43.3
09		311 27.9	S14 42.5
10		326 27.9	S14 41.7
11		341 27.9	S14 40.9
12		356 27.9	S14 40.1
13		11 27.9	S14 39.3
14		26 27.8	S14 38.5
15		41 27.8	S14 37.7
16		56 27.8	S14 36.9
17		71 27.8	S14 36.1
18		86 27.8	S14 35.3
19		101 27.8	S14 34.5
20		116 27.8	S14 33.7
21		131 27.7	S14 32.9
22		146 27.7	S14 32.1
23		161 27.7	S14 31.3
00	2023-02-10	176 27.7	S14 30.5
01		191 27.7	S14 29.7
02		206 27.7	S14 28.9
03		221 27.7	S14 28.1
04		236 27.7	S14 27.2
05		251 27.6	S14 26.4
06		266 27.6	S14 25.6
07		281 27.6	S14 24.8
08		296 27.6	S14 24.0
09		311 27.6	S14 23.2
10		326 27.6	S14 22.4
11		341 27.6	S14 21.6
12		356 27.6	S14 20.8
13		11 27.6	S14 20.0
14		26 27.6	S14 19.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
15		41 27.5	S14 18.3
16		56 27.5	S14 17.5
17		71 27.5	S14 16.7
18		86 27.5	S14 15.9
19		101 27.5	S14 15.1
20		116 27.5	S14 14.3
21		131 27.5	S14 13.4
22		146 27.5	S14 12.6
23		161 27.5	S14 11.8
00	2023-02-11	176 27.5	S14 11.0
01		191 27.5	S14 10.2
02		206 27.5	S14 09.3
03		221 27.5	S14 08.5
04		236 27.5	S14 07.7
05		251 27.5	S14 06.9
06		266 27.5	S14 06.1
07		281 27.5	S14 05.3
08		296 27.5	S14 04.4
09		311 27.5	S14 03.6
10		326 27.5	S14 02.8
11		341 27.5	S14 02.0
12		356 27.5	S14 01.1
13		11 27.5	S14 00.3
14		26 27.4	S13 59.5
15		41 27.4	S13 58.7
16		56 27.4	S13 57.9
17		71 27.5	S13 57.0
18		86 27.5	S13 56.2
19		101 27.5	S13 55.4
20		116 27.5	S13 54.6
21		131 27.5	S13 53.7
22		146 27.5	S13 52.9
23		161 27.5	S13 52.1
00	2023-02-12	176 27.5	S13 51.2
01		191 27.5	S13 50.4
02		206 27.5	S13 49.6
03		221 27.5	S13 48.8
04		236 27.5	S13 47.9
05		251 27.5	S13 47.1
06		266 27.5	S13 46.3
07		281 27.5	S13 45.4
08		296 27.5	S13 44.6
09		311 27.5	S13 43.8
10		326 27.5	S13 43.0
11		341 27.5	S13 42.1
12		356 27.5	S13 41.3
13		11 27.5	S13 40.5
14		26 27.5	S13 39.6
15		41 27.5	S13 38.8
16		56 27.6	S13 38.0
17		71 27.6	S13 37.1
18		86 27.6	S13 36.3
19		101 27.6	S13 35.5
20		116 27.6	S13 34.6
21		131 27.6	S13 33.8
22		146 27.6	S13 33.0
23		161 27.6	S13 32.1
00	2023-02-13	176 27.6	S13 31.3
01		191 27.6	S13 30.4
02		206 27.6	S13 29.6
03		221 27.7	S13 28.8
04		236 27.7	S13 27.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
05		251 27.7	S13 27.1
06		266 27.7	S13 26.3
07		281 27.7	S13 25.4
08		296 27.7	S13 24.6
09		311 27.7	S13 23.7
10		326 27.7	S13 22.9
11		341 27.8	S13 22.1
12		356 27.8	S13 21.2
13		11 27.8	S13 20.4
14		26 27.8	S13 19.5
15		41 27.8	S13 18.7
16		56 27.8	S13 17.8
17		71 27.9	S13 17.0
18		86 27.9	S13 16.2
19		101 27.9	S13 15.3
20		116 27.9	S13 14.5
21		131 27.9	S13 13.6
22		146 27.9	S13 12.8
23		161 28.0	S13 11.9
00	2023-02-14	176 28.0	S13 11.1
01		191 28.0	S13 10.2
02		206 28.0	S13 09.4
03		221 28.0	S13 08.6
04		236 28.0	S13 07.7
05		251 28.1	S13 06.9
06		266 28.1	S13 06.0
07		281 28.1	S13 05.2
08		296 28.1	S13 04.3
09		311 28.1	S13 03.5
10		326 28.2	S13 02.6
11		341 28.2	S13 01.8
12		356 28.2	S13 00.9
13		11 28.2	S13 00.1
14		26 28.3	S12 59.2
15		41 28.3	S12 58.4
16		56 28.3	S12 57.5
17		71 28.3	S12 56.7
18		86 28.3	S12 55.8
19		101 28.4	S12 55.0
20		116 28.4	S12 54.1
21		131 28.4	S12 53.3
22		146 28.4	S12 52.4
23		161 28.5	S12 51.5
00	2023-02-15	176 28.5	S12 50.7
01		191 28.5	S12 49.8
02		206 28.5	S12 49.0
03		221 28.6	S12 48.1
04		236 28.6	S12 47.3
05		251 28.6	S12 46.4
06		266 28.7	S12 45.6
07		281 28.7	S12 44.7
08		296 28.7	S12 43.8
09		311 28.7	S12 43.0
10		326 28.8	S12 42.1
11		341 28.8	S12 41.3
12		356 28.8	S12 40.4
13		11 28.9	S12 39.5
14		26 28.9	S12 38.7
15		41 28.9	S12 37.8
16		56 28.9	S12 37.0
17		71 29.0	S12 36.1
18		86 29.0	S12 35.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
19		101 29.0	S12 34.4
20		116 29.1	S12 33.5
21		131 29.1	S12 32.7
22		146 29.1	S12 31.8
23		161 29.2	S12 30.9
00	2023-02-16	176 29.2	S12 30.1
01		191 29.2	S12 29.2
02		206 29.3	S12 28.3
03		221 29.3	S12 27.5
04		236 29.3	S12 26.6
05		251 29.4	S12 25.8
06		266 29.4	S12 24.9
07		281 29.4	S12 24.0
08		296 29.5	S12 23.2
09		311 29.5	S12 22.3
10		326 29.5	S12 21.4
11		341 29.6	S12 20.6
12		356 29.6	S12 19.7
13		11 29.7	S12 18.8
14		26 29.7	S12 18.0
15		41 29.7	S12 17.1
16		56 29.8	S12 16.2
17		71 29.8	S12 15.3
18		86 29.8	S12 14.5
19		101 29.9	S12 13.6
20		116 29.9	S12 12.7
21		131 30.0	S12 11.9
22		146 30.0	S12 11.0
23		161 30.0	S12 10.1
00	2023-02-17	176 30.1	S12 09.3
01		191 30.1	S12 08.4
02		206 30.2	S12 07.5
03		221 30.2	S12 06.6
04		236 30.2	S12 05.8
05		251 30.3	S12 04.9
06		266 30.3	S12 04.0
07		281 30.4	S12 03.1
08		296 30.4	S12 02.3
09		311 30.4	S12 01.4
10		326 30.5	S12 00.5
11		341 30.5	S11 59.6
12		356 30.6	S11 58.8
13		11 30.6	S11 57.9
14		26 30.7	S11 57.0
15		41 30.7	S11 56.1
16		56 30.8	S11 55.3
17		71 30.8	S11 54.4
18		86 30.8	S11 53.5
19		101 30.9	S11 52.6
20		116 30.9	S11 51.8
21		131 31.0	S11 50.9
22		146 31.0	S11 50.0
23		161 31.1	S11 49.1
00	2023-02-18	176 31.1	S11 48.2
01		191 31.2	S11 47.4
02		206 31.2	S11 46.5
03		221 31.3	S11 45.6
04		236 31.3	S11 44.7
05		251 31.4	S11 43.8
06		266 31.4	S11 43.0
07		281 31.5	S11 42.1
08		296 31.5	S11 41.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
09		311 31.6	S11 40.3
10		326 31.6	S11 39.4
11		341 31.7	S11 38.5
12		356 31.7	S11 37.7
13		11 31.8	S11 36.8
14		26 31.8	S11 35.9
15		41 31.9	S11 35.0
16		56 31.9	S11 34.1
17		71 32.0	S11 33.2
18		86 32.0	S11 32.4
19		101 32.1	S11 31.5
20		116 32.1	S11 30.6
21		131 32.2	S11 29.7
22		146 32.2	S11 28.8
23		161 32.3	S11 27.9
00	2023-02-19	176 32.3	S11 27.0
01		191 32.4	S11 26.1
02		206 32.5	S11 25.3
03		221 32.5	S11 24.4
04		236 32.6	S11 23.5
05		251 32.6	S11 22.6
06		266 32.7	S11 21.7
07		281 32.7	S11 20.8
08		296 32.8	S11 19.9
09		311 32.8	S11 19.0
10		326 32.9	S11 18.1
11		341 33.0	S11 17.3
12		356 33.0	S11 16.4
13		11 33.1	S11 15.5
14		26 33.1	S11 14.6
15		41 33.2	S11 13.7
16		56 33.2	S11 12.8
17		71 33.3	S11 11.9
18		86 33.4	S11 11.0
19		101 33.4	S11 10.1
20		116 33.5	S11 09.2
21		131 33.5	S11 08.3
22		146 33.6	S11 07.4
23		161 33.7	S11 06.5
00	2023-02-20	176 33.7	S11 05.7
01		191 33.8	S11 04.8
02		206 33.9	S11 03.9
03		221 33.9	S11 03.0
04		236 34.0	S11 02.1
05		251 34.0	S11 01.2
06		266 34.1	S11 00.3
07		281 34.2	S10 59.4
08		296 34.2	S10 58.5
09		311 34.3	S10 57.6
10		326 34.4	S10 56.7
11		341 34.4	S10 55.8
12		356 34.5	S10 54.9
13		11 34.6	S10 54.0
14		26 34.6	S10 53.1
15		41 34.7	S10 52.2
16		56 34.7	S10 51.3
17		71 34.8	S10 50.4
18		86 34.9	S10 49.5
19		101 34.9	S10 48.6
20		116 35.0	S10 47.7
21		131 35.1	S10 46.8
22		146 35.1	S10 45.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
23		161 35.2	S10 45.0
00	2023-02-21	176 35.3	S10 44.1
01		191 35.4	S10 43.2
02		206 35.4	S10 42.3
03		221 35.5	S10 41.4
04		236 35.6	S10 40.5
05		251 35.6	S10 39.6
06		266 35.7	S10 38.7
07		281 35.8	S10 37.8
08		296 35.8	S10 36.9
09		311 35.9	S10 36.0
10		326 36.0	S10 35.1
11		341 36.0	S10 34.2
12		356 36.1	S10 33.3
13		11 36.2	S10 32.3
14		26 36.3	S10 31.4
15		41 36.3	S10 30.5
16		56 36.4	S10 29.6
17		71 36.5	S10 28.7
18		86 36.6	S10 27.8
19		101 36.6	S10 26.9
20		116 36.7	S10 26.0
21		131 36.8	S10 25.1
22		146 36.9	S10 24.2
23		161 36.9	S10 23.3
00	2023-02-22	176 37.0	S10 22.4
01		191 37.1	S10 21.5
02		206 37.2	S10 20.6
03		221 37.2	S10 19.6
04		236 37.3	S10 18.7
05		251 37.4	S10 17.8
06		266 37.5	S10 16.9
07		281 37.5	S10 16.0
08		296 37.6	S10 15.1
09		311 37.7	S10 14.2
10		326 37.8	S10 13.3
11		341 37.8	S10 12.4
12		356 37.9	S10 11.4
13		11 38.0	S10 10.5
14		26 38.1	S10 09.6
15		41 38.2	S10 08.7
16		56 38.2	S10 07.8
17		71 38.3	S10 06.9
18		86 38.4	S10 06.0
19		101 38.5	S10 05.1
20		116 38.6	S10 04.1
21		131 38.6	S10 03.2
22		146 38.7	S10 02.3
23		161 38.8	S10 01.4
00	2023-02-23	176 38.9	S10 00.5
01		191 39.0	S09 59.6
02		206 39.0	S09 58.7
03		221 39.1	S09 57.7
04		236 39.2	S09 56.8
05		251 39.3	S09 55.9
06		266 39.4	S09 55.0
07		281 39.5	S09 54.1
08		296 39.5	S09 53.2
09		311 39.6	S09 52.2
10		326 39.7	S09 51.3
11		341 39.8	S09 50.4
12		356 39.9	S09 49.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
13		11 40.0	S09 48.6
14		26 40.0	S09 47.7
15		41 40.1	S09 46.7
16		56 40.2	S09 45.8
17		71 40.3	S09 44.9
18		86 40.4	S09 44.0
19		101 40.5	S09 43.1
20		116 40.6	S09 42.1
21		131 40.6	S09 41.2
22		146 40.7	S09 40.3
23		161 40.8	S09 39.4
00	2023-02-24	176 40.9	S09 38.5
01		191 41.0	S09 37.5
02		206 41.1	S09 36.6
03		221 41.2	S09 35.7
04		236 41.3	S09 34.8
05		251 41.4	S09 33.8
06		266 41.4	S09 32.9
07		281 41.5	S09 32.0
08		296 41.6	S09 31.1
09		311 41.7	S09 30.1
10		326 41.8	S09 29.2
11		341 41.9	S09 28.3
12		356 42.0	S09 27.4
13		11 42.1	S09 26.5
14		26 42.2	S09 25.5
15		41 42.3	S09 24.6
16		56 42.4	S09 23.7
17		71 42.4	S09 22.8
18		86 42.5	S09 21.8
19		101 42.6	S09 20.9
20		116 42.7	S09 20.0
21		131 42.8	S09 19.1
22		146 42.9	S09 18.1
23		161 43.0	S09 17.2
00	2023-02-25	176 43.1	S09 16.3
01		191 43.2	S09 15.3
02		206 43.3	S09 14.4
03		221 43.4	S09 13.5
04		236 43.5	S09 12.6
05		251 43.6	S09 11.6
06		266 43.7	S09 10.7
07		281 43.8	S09 09.8
08		296 43.9	S09 08.8
09		311 44.0	S09 07.9
10		326 44.1	S09 07.0
11		341 44.2	S09 06.1
12		356 44.3	S09 05.1
13		11 44.4	S09 04.2
14		26 44.4	S09 03.3
15		41 44.5	S09 02.3
16		56 44.6	S09 01.4
17		71 44.7	S09 00.5
18		86 44.8	S08 59.5
19		101 44.9	S08 58.6
20		116 45.0	S08 57.7
21		131 45.1	S08 56.7
22		146 45.2	S08 55.8
23		161 45.3	S08 54.9
00	2023-02-26	176 45.4	S08 54.0
01		191 45.5	S08 53.0
02		206 45.6	S08 52.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
03		221 45.7	S08 51.2
04		236 45.8	S08 50.2
05		251 45.9	S08 49.3
06		266 46.1	S08 48.4
07		281 46.2	S08 47.4
08		296 46.3	S08 46.5
09		311 46.4	S08 45.5
10		326 46.5	S08 44.6
11		341 46.6	S08 43.7
12		356 46.7	S08 42.7
13		11 46.8	S08 41.8
14		26 46.9	S08 40.9
15		41 47.0	S08 39.9
16		56 47.1	S08 39.0
17		71 47.2	S08 38.1
18		86 47.3	S08 37.1
19		101 47.4	S08 36.2
20		116 47.5	S08 35.3
21		131 47.6	S08 34.3
22		146 47.7	S08 33.4
23		161 47.8	S08 32.4
00	2023-02-27	176 47.9	S08 31.5
01		191 48.0	S08 30.6
02		206 48.1	S08 29.6
03		221 48.2	S08 28.7
04		236 48.4	S08 27.7
05		251 48.5	S08 26.8
06		266 48.6	S08 25.9
07		281 48.7	S08 24.9
08		296 48.8	S08 24.0
09		311 48.9	S08 23.0
10		326 49.0	S08 22.1
11		341 49.1	S08 21.2
12		356 49.2	S08 20.2
13		11 49.3	S08 19.3
14		26 49.4	S08 18.3
15		41 49.6	S08 17.4
16		56 49.7	S08 16.5
17		71 49.8	S08 15.5
18		86 49.9	S08 14.6
19		101 50.0	S08 13.6
20		116 50.1	S08 12.7
21		131 50.2	S08 11.8
22		146 50.3	S08 10.8
23		161 50.4	S08 09.9
00	2023-02-28	176 50.6	S08 08.9
01		191 50.7	S08 08.0
02		206 50.8	S08 07.0
03		221 50.9	S08 06.1
04		236 51.0	S08 05.2
05		251 51.1	S08 04.2
06		266 51.2	S08 03.3
07		281 51.4	S08 02.3
08		296 51.5	S08 01.4
09		311 51.6	S08 00.4
10		326 51.7	S07 59.5
11		341 51.8	S07 58.5
12		356 51.9	S07 57.6
13		11 52.0	S07 56.6
14		26 52.2	S07 55.7
15		41 52.3	S07 54.8
16		56 52.4	S07 53.8

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
17		71 52.5	S07 52.9
18		86 52.6	S07 51.9
19		101 52.7	S07 51.0
20		116 52.9	S07 50.0
21		131 53.0	S07 49.1
22		146 53.1	S07 48.1
23		161 53.2	S07 47.2
00	2023-03-01	176 53.3	S07 46.2
01		191 53.4	S07 45.3
02		206 53.6	S07 44.3
03		221 53.7	S07 43.4
04		236 53.8	S07 42.4
05		251 53.9	S07 41.5
06		266 54.0	S07 40.5
07		281 54.2	S07 39.6
08		296 54.3	S07 38.6
09		311 54.4	S07 37.7
10		326 54.5	S07 36.7
11		341 54.6	S07 35.8
12		356 54.8	S07 34.8
13		11 54.9	S07 33.9
14		26 55.0	S07 32.9
15		41 55.1	S07 32.0
16		56 55.2	S07 31.0
17		71 55.4	S07 30.1
18		86 55.5	S07 29.1
19		101 55.6	S07 28.2
20		116 55.7	S07 27.2
21		131 55.9	S07 26.3
22		146 56.0	S07 25.3
23		161 56.1	S07 24.4
00	2023-03-02	176 56.2	S07 23.4
01		191 56.3	S07 22.5
02		206 56.5	S07 21.5
03		221 56.6	S07 20.6
04		236 56.7	S07 19.6
05		251 56.8	S07 18.7
06		266 57.0	S07 17.7
07		281 57.1	S07 16.8
08		296 57.2	S07 15.8
09		311 57.3	S07 14.9
10		326 57.5	S07 13.9
11		341 57.6	S07 12.9
12		356 57.7	S07 12.0
13		11 57.8	S07 11.0
14		26 58.0	S07 10.1
15		41 58.1	S07 09.1
16		56 58.2	S07 08.2
17		71 58.4	S07 07.2
18		86 58.5	S07 06.3
19		101 58.6	S07 05.3
20		116 58.7	S07 04.4
21		131 58.9	S07 03.4
22		146 59.0	S07 02.4
23		161 59.1	S07 01.5
00	2023-03-03	176 59.2	S07 00.5
01		191 59.4	S06 59.6
02		206 59.5	S06 58.6
03		221 59.6	S06 57.7
04		236 59.8	S06 56.7
05		251 59.9	S06 55.7
06		267 00.0	S06 54.8

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
07		282 00.2	S06 53.8
08		297 00.3	S06 52.9
09		312 00.4	S06 51.9
10		327 00.5	S06 51.0
11		342 00.7	S06 50.0
12		357 00.8	S06 49.0
13		12 00.9	S06 48.1
14		27 01.1	S06 47.1
15		42 01.2	S06 46.2
16		57 01.3	S06 45.2
17		72 01.5	S06 44.2
18		87 01.6	S06 43.3
19		102 01.7	S06 42.3
20		117 01.9	S06 41.4
21		132 02.0	S06 40.4
22		147 02.1	S06 39.4
23		162 02.3	S06 38.5
00	2023-03-04	177 02.4	S06 37.5
01		192 02.5	S06 36.6
02		207 02.7	S06 35.6
03		222 02.8	S06 34.6
04		237 02.9	S06 33.7
05		252 03.1	S06 32.7
06		267 03.2	S06 31.8
07		282 03.3	S06 30.8
08		297 03.5	S06 29.8
09		312 03.6	S06 28.9
10		327 03.7	S06 27.9
11		342 03.9	S06 26.9
12		357 04.0	S06 26.0
13		12 04.2	S06 25.0
14		27 04.3	S06 24.1
15		42 04.4	S06 23.1
16		57 04.6	S06 22.1
17		72 04.7	S06 21.2
18		87 04.8	S06 20.2
19		102 05.0	S06 19.2
20		117 05.1	S06 18.3
21		132 05.3	S06 17.3
22		147 05.4	S06 16.4
23		162 05.5	S06 15.4
00	2023-03-05	177 05.7	S06 14.4
01		192 05.8	S06 13.5
02		207 05.9	S06 12.5
03		222 06.1	S06 11.5
04		237 06.2	S06 10.6
05		252 06.4	S06 09.6
06		267 06.5	S06 08.6
07		282 06.6	S06 07.7
08		297 06.8	S06 06.7
09		312 06.9	S06 05.7
10		327 07.1	S06 04.8
11		342 07.2	S06 03.8
12		357 07.3	S06 02.8
13		12 07.5	S06 01.9
14		27 07.6	S06 00.9
15		42 07.8	S05 60.0
16		57 07.9	S05 59.0
17		72 08.0	S05 58.0
18		87 08.2	S05 57.1
19		102 08.3	S05 56.1
20		117 08.5	S05 55.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
21		132 08.6	S05 54.2
22		147 08.8	S05 53.2
23		162 08.9	S05 52.2
00	2023-03-06	177 09.0	S05 51.2
01		192 09.2	S05 50.3
02		207 09.3	S05 49.3
03		222 09.5	S05 48.3
04		237 09.6	S05 47.4
05		252 09.8	S05 46.4
06		267 09.9	S05 45.4
07		282 10.0	S05 44.5
08		297 10.2	S05 43.5
09		312 10.3	S05 42.5
10		327 10.5	S05 41.6
11		342 10.6	S05 40.6
12		357 10.8	S05 39.6
13		12 10.9	S05 38.7
14		27 11.1	S05 37.7
15		42 11.2	S05 36.7
16		57 11.4	S05 35.8
17		72 11.5	S05 34.8
18		87 11.6	S05 33.8
19		102 11.8	S05 32.8
20		117 11.9	S05 31.9
21		132 12.1	S05 30.9
22		147 12.2	S05 29.9
23		162 12.4	S05 29.0
00	2023-03-07	177 12.5	S05 28.0
01		192 12.7	S05 27.0
02		207 12.8	S05 26.1
03		222 13.0	S05 25.1
04		237 13.1	S05 24.1
05		252 13.3	S05 23.1
06		267 13.4	S05 22.2
07		282 13.6	S05 21.2
08		297 13.7	S05 20.2
09		312 13.9	S05 19.3
10		327 14.0	S05 18.3
11		342 14.2	S05 17.3
12		357 14.3	S05 16.3
13		12 14.5	S05 15.4
14		27 14.6	S05 14.4
15		42 14.8	S05 13.4
16		57 14.9	S05 12.4
17		72 15.1	S05 11.5
18		87 15.2	S05 10.5
19		102 15.4	S05 09.5
20		117 15.5	S05 08.6
21		132 15.7	S05 07.6
22		147 15.8	S05 06.6
23		162 16.0	S05 05.6
00	2023-03-08	177 16.1	S05 04.7
01		192 16.3	S05 03.7
02		207 16.4	S05 02.7
03		222 16.6	S05 01.7
04		237 16.7	S05 00.8
05		252 16.9	S04 59.8
06		267 17.0	S04 58.8
07		282 17.2	S04 57.8
08		297 17.3	S04 56.9
09		312 17.5	S04 55.9
10		327 17.6	S04 54.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
11		342 17.8	S04 53.9
12		357 17.9	S04 53.0
13		12 18.1	S04 52.0
14		27 18.3	S04 51.0
15		42 18.4	S04 50.0
16		57 18.6	S04 49.1
17		72 18.7	S04 48.1
18		87 18.9	S04 47.1
19		102 19.0	S04 46.1
20		117 19.2	S04 45.2
21		132 19.3	S04 44.2
22		147 19.5	S04 43.2
23		162 19.6	S04 42.2
00	2023-03-09	177 19.8	S04 41.3
01		192 20.0	S04 40.3
02		207 20.1	S04 39.3
03		222 20.3	S04 38.3
04		237 20.4	S04 37.4
05		252 20.6	S04 36.4
06		267 20.7	S04 35.4
07		282 20.9	S04 34.4
08		297 21.0	S04 33.5
09		312 21.2	S04 32.5
10		327 21.4	S04 31.5
11		342 21.5	S04 30.5
12		357 21.7	S04 29.5
13		12 21.8	S04 28.6
14		27 22.0	S04 27.6
15		42 22.1	S04 26.6
16		57 22.3	S04 25.6
17		72 22.5	S04 24.7
18		87 22.6	S04 23.7
19		102 22.8	S04 22.7
20		117 22.9	S04 21.7
21		132 23.1	S04 20.7
22		147 23.2	S04 19.8
23		162 23.4	S04 18.8
00	2023-03-10	177 23.6	S04 17.8
01		192 23.7	S04 16.8
02		207 23.9	S04 15.8
03		222 24.0	S04 14.9
04		237 24.2	S04 13.9
05		252 24.4	S04 12.9
06		267 24.5	S04 11.9
07		282 24.7	S04 11.0
08		297 24.8	S04 10.0
09		312 25.0	S04 09.0
10		327 25.2	S04 08.0
11		342 25.3	S04 07.0
12		357 25.5	S04 06.1
13		12 25.6	S04 05.1
14		27 25.8	S04 04.1
15		42 26.0	S04 03.1
16		57 26.1	S04 02.1
17		72 26.3	S04 01.2
18		87 26.5	S04 00.2
19		102 26.6	S03 59.2
20		117 26.8	S03 58.2
21		132 26.9	S03 57.2
22		147 27.1	S03 56.3
23		162 27.3	S03 55.3
00	2023-03-11	177 27.4	S03 54.3

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
01		192 27.6	S03 53.3
02		207 27.7	S03 52.3
03		222 27.9	S03 51.3
04		237 28.1	S03 50.4
05		252 28.2	S03 49.4
06		267 28.4	S03 48.4
07		282 28.6	S03 47.4
08		297 28.7	S03 46.4
09		312 28.9	S03 45.5
10		327 29.1	S03 44.5
11		342 29.2	S03 43.5
12		357 29.4	S03 42.5
13		12 29.5	S03 41.5
14		27 29.7	S03 40.6
15		42 29.9	S03 39.6
16		57 30.0	S03 38.6
17		72 30.2	S03 37.6
18		87 30.4	S03 36.6
19		102 30.5	S03 35.6
20		117 30.7	S03 34.7
21		132 30.9	S03 33.7
22		147 31.0	S03 32.7
23		162 31.2	S03 31.7
00	2023-03-12	177 31.4	S03 30.7
01		192 31.5	S03 29.7
02		207 31.7	S03 28.8
03		222 31.9	S03 27.8
04		237 32.0	S03 26.8
05		252 32.2	S03 25.8
06		267 32.3	S03 24.8
07		282 32.5	S03 23.8
08		297 32.7	S03 22.9
09		312 32.8	S03 21.9
10		327 33.0	S03 20.9
11		342 33.2	S03 19.9
12		357 33.3	S03 18.9
13		12 33.5	S03 17.9
14		27 33.7	S03 17.0
15		42 33.9	S03 16.0
16		57 34.0	S03 15.0
17		72 34.2	S03 14.0
18		87 34.4	S03 13.0
19		102 34.5	S03 12.0
20		117 34.7	S03 11.1
21		132 34.9	S03 10.1
22		147 35.0	S03 09.1
23		162 35.2	S03 08.1
00	2023-03-13	177 35.4	S03 07.1
01		192 35.5	S03 06.1
02		207 35.7	S03 05.2
03		222 35.9	S03 04.2
04		237 36.0	S03 03.2
05		252 36.2	S03 02.2
06		267 36.4	S03 01.2
07		282 36.5	S03 00.2
08		297 36.7	S02 59.2
09		312 36.9	S02 58.3
10		327 37.0	S02 57.3
11		342 37.2	S02 56.3
12		357 37.4	S02 55.3
13		12 37.6	S02 54.3
14		27 37.7	S02 53.3

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
15		42 37.9	S02 52.4
16		57 38.1	S02 51.4
17		72 38.2	S02 50.4
18		87 38.4	S02 49.4
19		102 38.6	S02 48.4
20		117 38.7	S02 47.4
21		132 38.9	S02 46.4
22		147 39.1	S02 45.5
23		162 39.3	S02 44.5
00	2023-03-14	177 39.4	S02 43.5
01		192 39.6	S02 42.5
02		207 39.8	S02 41.5
03		222 39.9	S02 40.5
04		237 40.1	S02 39.5
05		252 40.3	S02 38.6
06		267 40.5	S02 37.6
07		282 40.6	S02 36.6
08		297 40.8	S02 35.6
09		312 41.0	S02 34.6
10		327 41.1	S02 33.6
11		342 41.3	S02 32.6
12		357 41.5	S02 31.6
13		12 41.7	S02 30.7
14		27 41.8	S02 29.7
15		42 42.0	S02 28.7
16		57 42.2	S02 27.7
17		72 42.4	S02 26.7
18		87 42.5	S02 25.7
19		102 42.7	S02 24.7
20		117 42.9	S02 23.8
21		132 43.0	S02 22.8
22		147 43.2	S02 21.8
23		162 43.4	S02 20.8
00	2023-03-15	177 43.6	S02 19.8
01		192 43.7	S02 18.8
02		207 43.9	S02 17.8
03		222 44.1	S02 16.8
04		237 44.3	S02 15.9
05		252 44.4	S02 14.9
06		267 44.6	S02 13.9
07		282 44.8	S02 12.9
08		297 45.0	S02 11.9
09		312 45.1	S02 10.9
10		327 45.3	S02 09.9
11		342 45.5	S02 08.9
12		357 45.7	S02 08.0
13		12 45.8	S02 07.0
14		27 46.0	S02 06.0
15		42 46.2	S02 05.0
16		57 46.4	S02 04.0
17		72 46.5	S02 03.0
18		87 46.7	S02 02.0
19		102 46.9	S02 01.0
20		117 47.1	S02 00.1
21		132 47.2	S01 59.1
22		147 47.4	S01 58.1
23		162 47.6	S01 57.1
00	2023-03-16	177 47.8	S01 56.1
01		192 47.9	S01 55.1
02		207 48.1	S01 54.1
03		222 48.3	S01 53.1
04		237 48.5	S01 52.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
05		252 48.6	S01 51.2
06		267 48.8	S01 50.2
07		282 49.0	S01 49.2
08		297 49.2	S01 48.2
09		312 49.3	S01 47.2
10		327 49.5	S01 46.2
11		342 49.7	S01 45.2
12		357 49.9	S01 44.2
13		12 50.0	S01 43.3
14		27 50.2	S01 42.3
15		42 50.4	S01 41.3
16		57 50.6	S01 40.3
17		72 50.8	S01 39.3
18		87 50.9	S01 38.3
19		102 51.1	S01 37.3
20		117 51.3	S01 36.3
21		132 51.5	S01 35.4
22		147 51.6	S01 34.4
23		162 51.8	S01 33.4
00	2023-03-17	177 52.0	S01 32.4
01		192 52.2	S01 31.4
02		207 52.4	S01 30.4
03		222 52.5	S01 29.4
04		237 52.7	S01 28.4
05		252 52.9	S01 27.4
06		267 53.1	S01 26.5
07		282 53.2	S01 25.5
08		297 53.4	S01 24.5
09		312 53.6	S01 23.5
10		327 53.8	S01 22.5
11		342 54.0	S01 21.5
12		357 54.1	S01 20.5
13		12 54.3	S01 19.5
14		27 54.5	S01 18.5
15		42 54.7	S01 17.6
16		57 54.9	S01 16.6
17		72 55.0	S01 15.6
18		87 55.2	S01 14.6
19		102 55.4	S01 13.6
20		117 55.6	S01 12.6
21		132 55.7	S01 11.6
22		147 55.9	S01 10.6
23		162 56.1	S01 09.6
00	2023-03-18	177 56.3	S01 08.7
01		192 56.5	S01 07.7
02		207 56.6	S01 06.7
03		222 56.8	S01 05.7
04		237 57.0	S01 04.7
05		252 57.2	S01 03.7
06		267 57.4	S01 02.7
07		282 57.5	S01 01.7
08		297 57.7	S01 00.7
09		312 57.9	S00 59.8
10		327 58.1	S00 58.8
11		342 58.3	S00 57.8
12		357 58.4	S00 56.8
13		12 58.6	S00 55.8
14		27 58.8	S00 54.8
15		42 59.0	S00 53.8
16		57 59.2	S00 52.8
17		72 59.3	S00 51.8
18		87 59.5	S00 50.8

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
19		102 59.7	S00 49.9
20		117 59.9	S00 48.9
21		133 00.1	S00 47.9
22		148 00.3	S00 46.9
23		163 00.4	S00 45.9
00	2023-03-19	178 00.6	S00 44.9
01		193 00.8	S00 43.9
02		208 01.0	S00 42.9
03		223 01.2	S00 41.9
04		238 01.3	S00 41.0
05		253 01.5	S00 40.0
06		268 01.7	S00 39.0
07		283 01.9	S00 38.0
08		298 02.1	S00 37.0
09		313 02.2	S00 36.0
10		328 02.4	S00 35.0
11		343 02.6	S00 34.0
12		358 02.8	S00 33.0
13		13 03.0	S00 32.1
14		28 03.2	S00 31.1
15		43 03.3	S00 30.1
16		58 03.5	S00 29.1
17		73 03.7	S00 28.1
18		88 03.9	S00 27.1
19		103 04.1	S00 26.1
20		118 04.3	S00 25.1
21		133 04.4	S00 24.1
22		148 04.6	S00 23.2
23		163 04.8	S00 22.2
00	2023-03-20	178 05.0	S00 21.2
01		193 05.2	S00 20.2
02		208 05.3	S00 19.2
03		223 05.5	S00 18.2
04		238 05.7	S00 17.2
05		253 05.9	S00 16.2
06		268 06.1	S00 15.2
07		283 06.3	S00 14.3
08		298 06.4	S00 13.3
09		313 06.6	S00 12.3
10		328 06.8	S00 11.3
11		343 07.0	S00 10.3
12		358 07.2	S00 09.3
13		13 07.4	S00 08.3
14		28 07.5	S00 07.3
15		43 07.7	S00 06.3
16		58 07.9	S00 05.4
17		73 08.1	S00 04.4
18		88 08.3	S00 03.4
19		103 08.5	S00 02.4
20		118 08.6	S00 01.4
21		133 08.8	S00 00.4
22		148 09.0	N00 00.6
23		163 09.2	N00 01.6
00	2023-03-21	178 09.4	N00 02.6
01		193 09.6	N00 03.5
02		208 09.7	N00 04.5
03		223 09.9	N00 05.5
04		238 10.1	N00 06.5
05		253 10.3	N00 07.5
06		268 10.5	N00 08.5
07		283 10.7	N00 09.5
08		298 10.9	N00 10.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
09		313 11.0	N00 11.5
10		328 11.2	N00 12.4
11		343 11.4	N00 13.4
12		358 11.6	N00 14.4
13		13 11.8	N00 15.4
14		28 12.0	N00 16.4
15		43 12.1	N00 17.4
16		58 12.3	N00 18.4
17		73 12.5	N00 19.4
18		88 12.7	N00 20.3
19		103 12.9	N00 21.3
20		118 13.1	N00 22.3
21		133 13.3	N00 23.3
22		148 13.4	N00 24.3
23		163 13.6	N00 25.3
00	2023-03-22	178 13.8	N00 26.3
01		193 14.0	N00 27.3
02		208 14.2	N00 28.2
03		223 14.4	N00 29.2
04		238 14.6	N00 30.2
05		253 14.7	N00 31.2
06		268 14.9	N00 32.2
07		283 15.1	N00 33.2
08		298 15.3	N00 34.2
09		313 15.5	N00 35.2
10		328 15.7	N00 36.1
11		343 15.8	N00 37.1
12		358 16.0	N00 38.1
13		13 16.2	N00 39.1
14		28 16.4	N00 40.1
15		43 16.6	N00 41.1
16		58 16.8	N00 42.1
17		73 17.0	N00 43.1
18		88 17.1	N00 44.0
19		103 17.3	N00 45.0
20		118 17.5	N00 46.0
21		133 17.7	N00 47.0
22		148 17.9	N00 48.0
23		163 18.1	N00 49.0
00	2023-03-23	178 18.3	N00 50.0
01		193 18.5	N00 51.0
02		208 18.6	N00 51.9
03		223 18.8	N00 52.9
04		238 19.0	N00 53.9
05		253 19.2	N00 54.9
06		268 19.4	N00 55.9
07		283 19.6	N00 56.9
08		298 19.8	N00 57.9
09		313 19.9	N00 58.9
10		328 20.1	N00 59.8
11		343 20.3	N01 00.8
12		358 20.5	N01 01.8
13		13 20.7	N01 02.8
14		28 20.9	N01 03.8
15		43 21.1	N01 04.8
16		58 21.2	N01 05.8
17		73 21.4	N01 06.7
18		88 21.6	N01 07.7
19		103 21.8	N01 08.7
20		118 22.0	N01 09.7
21		133 22.2	N01 10.7
22		148 22.4	N01 11.7

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
23		163 22.6	N01 12.7
00	2023-03-24	178 22.7	N01 13.6
01		193 22.9	N01 14.6
02		208 23.1	N01 15.6
03		223 23.3	N01 16.6
04		238 23.5	N01 17.6
05		253 23.7	N01 18.6
06		268 23.9	N01 19.6
07		283 24.0	N01 20.5
08		298 24.2	N01 21.5
09		313 24.4	N01 22.5
10		328 24.6	N01 23.5
11		343 24.8	N01 24.5
12		358 25.0	N01 25.5
13		13 25.2	N01 26.5
14		28 25.4	N01 27.4
15		43 25.5	N01 28.4
16		58 25.7	N01 29.4
17		73 25.9	N01 30.4
18		88 26.1	N01 31.4
19		103 26.3	N01 32.4
20		118 26.5	N01 33.3
21		133 26.7	N01 34.3
22		148 26.9	N01 35.3
23		163 27.0	N01 36.3
00	2023-03-25	178 27.2	N01 37.3
01		193 27.4	N01 38.3
02		208 27.6	N01 39.2
03		223 27.8	N01 40.2
04		238 28.0	N01 41.2
05		253 28.2	N01 42.2
06		268 28.4	N01 43.2
07		283 28.5	N01 44.2
08		298 28.7	N01 45.2
09		313 28.9	N01 46.1
10		328 29.1	N01 47.1
11		343 29.3	N01 48.1
12		358 29.5	N01 49.1
13		13 29.7	N01 50.1
14		28 29.9	N01 51.1
15		43 30.0	N01 52.0
16		58 30.2	N01 53.0
17		73 30.4	N01 54.0
18		88 30.6	N01 55.0
19		103 30.8	N01 56.0
20		118 31.0	N01 56.9
21		133 31.2	N01 57.9
22		148 31.4	N01 58.9
23		163 31.6	N01 59.9
00	2023-03-26	178 31.7	N02 00.9
01		193 31.9	N02 01.9
02		208 32.1	N02 02.8
03		223 32.3	N02 03.8
04		238 32.5	N02 04.8
05		253 32.7	N02 05.8
06		268 32.9	N02 06.8
07		283 33.1	N02 07.8
08		298 33.2	N02 08.7
09		313 33.4	N02 09.7
10		328 33.6	N02 10.7
11		343 33.8	N02 11.7
12		358 34.0	N02 12.7

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
13		13 34.2	N02 13.6
14		28 34.4	N02 14.6
15		43 34.6	N02 15.6
16		58 34.7	N02 16.6
17		73 34.9	N02 17.6
18		88 35.1	N02 18.6
19		103 35.3	N02 19.5
20		118 35.5	N02 20.5
21		133 35.7	N02 21.5
22		148 35.9	N02 22.5
23		163 36.1	N02 23.5
00	2023-03-27	178 36.3	N02 24.4
01		193 36.4	N02 25.4
02		208 36.6	N02 26.4
03		223 36.8	N02 27.4
04		238 37.0	N02 28.4
05		253 37.2	N02 29.3
06		268 37.4	N02 30.3
07		283 37.6	N02 31.3
08		298 37.8	N02 32.3
09		313 37.9	N02 33.3
10		328 38.1	N02 34.2
11		343 38.3	N02 35.2
12		358 38.5	N02 36.2
13		13 38.7	N02 37.2
14		28 38.9	N02 38.2
15		43 39.1	N02 39.1
16		58 39.3	N02 40.1
17		73 39.5	N02 41.1
18		88 39.6	N02 42.1
19		103 39.8	N02 43.0
20		118 40.0	N02 44.0
21		133 40.2	N02 45.0
22		148 40.4	N02 46.0
23		163 40.6	N02 47.0
00	2023-03-28	178 40.8	N02 47.9
01		193 41.0	N02 48.9
02		208 41.1	N02 49.9
03		223 41.3	N02 50.9
04		238 41.5	N02 51.8
05		253 41.7	N02 52.8
06		268 41.9	N02 53.8
07		283 42.1	N02 54.8
08		298 42.3	N02 55.8
09		313 42.5	N02 56.7
10		328 42.7	N02 57.7
11		343 42.8	N02 58.7
12		358 43.0	N02 59.7
13		13 43.2	N03 00.6
14		28 43.4	N03 01.6
15		43 43.6	N03 02.6
16		58 43.8	N03 03.6
17		73 44.0	N03 04.6
18		88 44.2	N03 05.5
19		103 44.3	N03 06.5
20		118 44.5	N03 07.5
21		133 44.7	N03 08.5
22		148 44.9	N03 09.4
23		163 45.1	N03 10.4
00	2023-03-29	178 45.3	N03 11.4
01		193 45.5	N03 12.4
02		208 45.7	N03 13.3

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
03		223 45.9	N03 14.3
04		238 46.0	N03 15.3
05		253 46.2	N03 16.3
06		268 46.4	N03 17.2
07		283 46.6	N03 18.2
08		298 46.8	N03 19.2
09		313 47.0	N03 20.2
10		328 47.2	N03 21.1
11		343 47.4	N03 22.1
12		358 47.5	N03 23.1
13		13 47.7	N03 24.1
14		28 47.9	N03 25.0
15		43 48.1	N03 26.0
16		58 48.3	N03 27.0
17		73 48.5	N03 28.0
18		88 48.7	N03 28.9
19		103 48.9	N03 29.9
20		118 49.0	N03 30.9
21		133 49.2	N03 31.8
22		148 49.4	N03 32.8
23		163 49.6	N03 33.8
00	2023-03-30	178 49.8	N03 34.8
01		193 50.0	N03 35.7
02		208 50.2	N03 36.7
03		223 50.4	N03 37.7
04		238 50.6	N03 38.7
05		253 50.7	N03 39.6
06		268 50.9	N03 40.6
07		283 51.1	N03 41.6
08		298 51.3	N03 42.5
09		313 51.5	N03 43.5
10		328 51.7	N03 44.5
11		343 51.9	N03 45.5
12		358 52.1	N03 46.4
13		13 52.2	N03 47.4
14		28 52.4	N03 48.4
15		43 52.6	N03 49.3
16		58 52.8	N03 50.3
17		73 53.0	N03 51.3
18		88 53.2	N03 52.3
19		103 53.4	N03 53.2
20		118 53.6	N03 54.2
21		133 53.7	N03 55.2
22		148 53.9	N03 56.1
23		163 54.1	N03 57.1
00	2023-03-31	178 54.3	N03 58.1
01		193 54.5	N03 59.0
02		208 54.7	N04 00.0
03		223 54.9	N04 01.0
04		238 55.0	N04 02.0
05		253 55.2	N04 02.9
06		268 55.4	N04 03.9
07		283 55.6	N04 04.9
08		298 55.8	N04 05.8
09		313 56.0	N04 06.8
10		328 56.2	N04 07.8
11		343 56.4	N04 08.7
12		358 56.5	N04 09.7
13		13 56.7	N04 10.7
14		28 56.9	N04 11.6
15		43 57.1	N04 12.6
16		58 57.3	N04 13.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
17		73 57.5	N04 14.5
18		88 57.7	N04 15.5
19		103 57.9	N04 16.5
20		118 58.0	N04 17.4
21		133 58.2	N04 18.4
22		148 58.4	N04 19.4
23		163 58.6	N04 20.3
00	2023-04-01	178 58.8	N04 21.3
01		193 59.0	N04 22.3
02		208 59.2	N04 23.2
03		223 59.3	N04 24.2
04		238 59.5	N04 25.2
05		253 59.7	N04 26.1
06		268 59.9	N04 27.1
07		284 00.1	N04 28.1
08		299 00.3	N04 29.0
09		314 00.5	N04 30.0
10		329 00.6	N04 31.0
11		344 00.8	N04 31.9
12		359 01.0	N04 32.9
13		14 01.2	N04 33.9
14		29 01.4	N04 34.8
15		44 01.6	N04 35.8
16		59 01.8	N04 36.8
17		74 01.9	N04 37.7
18		89 02.1	N04 38.7
19		104 02.3	N04 39.6
20		119 02.5	N04 40.6
21		134 02.7	N04 41.6
22		149 02.9	N04 42.5
23		164 03.1	N04 43.5
00	2023-04-02	179 03.2	N04 44.5
01		194 03.4	N04 45.4
02		209 03.6	N04 46.4
03		224 03.8	N04 47.4
04		239 04.0	N04 48.3
05		254 04.2	N04 49.3
06		269 04.4	N04 50.2
07		284 04.5	N04 51.2
08		299 04.7	N04 52.2
09		314 04.9	N04 53.1
10		329 05.1	N04 54.1
11		344 05.3	N04 55.0
12		359 05.5	N04 56.0
13		14 05.6	N04 57.0
14		29 05.8	N04 57.9
15		44 06.0	N04 58.9
16		59 06.2	N04 59.9
17		74 06.4	N05 00.8
18		89 06.6	N05 01.8
19		104 06.8	N05 02.7
20		119 06.9	N05 03.7
21		134 07.1	N05 04.7
22		149 07.3	N05 05.6
23		164 07.5	N05 06.6
00	2023-04-03	179 07.7	N05 07.5
01		194 07.9	N05 08.5
02		209 08.0	N05 09.5
03		224 08.2	N05 10.4
04		239 08.4	N05 11.4
05		254 08.6	N05 12.3
06		269 08.8	N05 13.3

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
07		284 09.0	N05 14.2
08		299 09.2	N05 15.2
09		314 09.3	N05 16.2
10		329 09.5	N05 17.1
11		344 09.7	N05 18.1
12		359 09.9	N05 19.0
13		14 10.1	N05 20.0
14		29 10.3	N05 20.9
15		44 10.4	N05 21.9
16		59 10.6	N05 22.9
17		74 10.8	N05 23.8
18		89 11.0	N05 24.8
19		104 11.2	N05 25.7
20		119 11.4	N05 26.7
21		134 11.5	N05 27.6
22		149 11.7	N05 28.6
23		164 11.9	N05 29.6
00	2023-04-04	179 12.1	N05 30.5
01		194 12.3	N05 31.5
02		209 12.4	N05 32.4
03		224 12.6	N05 33.4
04		239 12.8	N05 34.3
05		254 13.0	N05 35.3
06		269 13.2	N05 36.2
07		284 13.4	N05 37.2
08		299 13.5	N05 38.1
09		314 13.7	N05 39.1
10		329 13.9	N05 40.1
11		344 14.1	N05 41.0
12		359 14.3	N05 42.0
13		14 14.5	N05 42.9
14		29 14.6	N05 43.9
15		44 14.8	N05 44.8
16		59 15.0	N05 45.8
17		74 15.2	N05 46.7
18		89 15.4	N05 47.7
19		104 15.5	N05 48.6
20		119 15.7	N05 49.6
21		134 15.9	N05 50.5
22		149 16.1	N05 51.5
23		164 16.3	N05 52.4
00	2023-04-05	179 16.4	N05 53.4
01		194 16.6	N05 54.3
02		209 16.8	N05 55.3
03		224 17.0	N05 56.2
04		239 17.2	N05 57.2
05		254 17.4	N05 58.1
06		269 17.5	N05 59.1
07		284 17.7	N06 00.0
08		299 17.9	N06 01.0
09		314 18.1	N06 01.9
10		329 18.3	N06 02.9
11		344 18.4	N06 03.8
12		359 18.6	N06 04.8
13		14 18.8	N06 05.7
14		29 19.0	N06 06.7
15		44 19.2	N06 07.6
16		59 19.3	N06 08.6
17		74 19.5	N06 09.5
18		89 19.7	N06 10.5
19		104 19.9	N06 11.4
20		119 20.1	N06 12.4

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
21		134 20.2	N06 13.3
22		149 20.4	N06 14.3
23		164 20.6	N06 15.2
00	2023-04-06	179 20.8	N06 16.2
01		194 20.9	N06 17.1
02		209 21.1	N06 18.1
03		224 21.3	N06 19.0
04		239 21.5	N06 19.9
05		254 21.7	N06 20.9
06		269 21.8	N06 21.8
07		284 22.0	N06 22.8
08		299 22.2	N06 23.7
09		314 22.4	N06 24.7
10		329 22.6	N06 25.6
11		344 22.7	N06 26.6
12		359 22.9	N06 27.5
13		14 23.1	N06 28.5
14		29 23.3	N06 29.4
15		44 23.4	N06 30.3
16		59 23.6	N06 31.3
17		74 23.8	N06 32.2
18		89 24.0	N06 33.2
19		104 24.2	N06 34.1
20		119 24.3	N06 35.1
21		134 24.5	N06 36.0
22		149 24.7	N06 36.9
23		164 24.9	N06 37.9
00	2023-04-07	179 25.0	N06 38.8
01		194 25.2	N06 39.8
02		209 25.4	N06 40.7
03		224 25.6	N06 41.7
04		239 25.8	N06 42.6
05		254 25.9	N06 43.5
06		269 26.1	N06 44.5
07		284 26.3	N06 45.4
08		299 26.5	N06 46.4
09		314 26.6	N06 47.3
10		329 26.8	N06 48.2
11		344 27.0	N06 49.2
12		359 27.2	N06 50.1
13		14 27.3	N06 51.1
14		29 27.5	N06 52.0
15		44 27.7	N06 52.9
16		59 27.9	N06 53.9
17		74 28.0	N06 54.8
18		89 28.2	N06 55.8
19		104 28.4	N06 56.7
20		119 28.6	N06 57.6
21		134 28.7	N06 58.6
22		149 28.9	N06 59.5
23		164 29.1	N07 00.4
00	2023-04-08	179 29.3	N07 01.4
01		194 29.4	N07 02.3
02		209 29.6	N07 03.3
03		224 29.8	N07 04.2
04		239 30.0	N07 05.1
05		254 30.1	N07 06.1
06		269 30.3	N07 07.0
07		284 30.5	N07 07.9
08		299 30.7	N07 08.9
09		314 30.8	N07 09.8
10		329 31.0	N07 10.7

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
11		344 31.2	N07 11.7
12		359 31.4	N07 12.6
13		14 31.5	N07 13.5
14		29 31.7	N07 14.5
15		44 31.9	N07 15.4
16		59 32.0	N07 16.4
17		74 32.2	N07 17.3
18		89 32.4	N07 18.2
19		104 32.6	N07 19.2
20		119 32.7	N07 20.1
21		134 32.9	N07 21.0
22		149 33.1	N07 21.9
23		164 33.3	N07 22.9
00	2023-04-09	179 33.4	N07 23.8
01		194 33.6	N07 24.7
02		209 33.8	N07 25.7
03		224 33.9	N07 26.6
04		239 34.1	N07 27.5
05		254 34.3	N07 28.5
06		269 34.5	N07 29.4
07		284 34.6	N07 30.3
08		299 34.8	N07 31.3
09		314 35.0	N07 32.2
10		329 35.1	N07 33.1
11		344 35.3	N07 34.1
12		359 35.5	N07 35.0
13		14 35.7	N07 35.9
14		29 35.8	N07 36.8
15		44 36.0	N07 37.8
16		59 36.2	N07 38.7
17		74 36.3	N07 39.6
18		89 36.5	N07 40.6
19		104 36.7	N07 41.5
20		119 36.8	N07 42.4
21		134 37.0	N07 43.3
22		149 37.2	N07 44.3
23		164 37.4	N07 45.2
00	2023-04-10	179 37.5	N07 46.1
01		194 37.7	N07 47.1
02		209 37.9	N07 48.0
03		224 38.0	N07 48.9
04		239 38.2	N07 49.8
05		254 38.4	N07 50.8
06		269 38.5	N07 51.7
07		284 38.7	N07 52.6
08		299 38.9	N07 53.5
09		314 39.0	N07 54.5
10		329 39.2	N07 55.4
11		344 39.4	N07 56.3
12		359 39.5	N07 57.2
13		14 39.7	N07 58.2
14		29 39.9	N07 59.1
15		44 40.1	N08 00.0
16		59 40.2	N08 00.9
17		74 40.4	N08 01.9
18		89 40.6	N08 02.8
19		104 40.7	N08 03.7
20		119 40.9	N08 04.6
21		134 41.1	N08 05.5
22		149 41.2	N08 06.5
23		164 41.4	N08 07.4
00	2023-04-11	179 41.6	N08 08.3

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
01		194 41.7	N08 09.2
02		209 41.9	N08 10.2
03		224 42.1	N08 11.1
04		239 42.2	N08 12.0
05		254 42.4	N08 12.9
06		269 42.5	N08 13.8
07		284 42.7	N08 14.8
08		299 42.9	N08 15.7
09		314 43.0	N08 16.6
10		329 43.2	N08 17.5
11		344 43.4	N08 18.4
12		359 43.5	N08 19.3
13		14 43.7	N08 20.3
14		29 43.9	N08 21.2
15		44 44.0	N08 22.1
16		59 44.2	N08 23.0
17		74 44.4	N08 23.9
18		89 44.5	N08 24.9
19		104 44.7	N08 25.8
20		119 44.9	N08 26.7
21		134 45.0	N08 27.6
22		149 45.2	N08 28.5
23		164 45.3	N08 29.4
00	2023-04-12	179 45.5	N08 30.4
01		194 45.7	N08 31.3
02		209 45.8	N08 32.2
03		224 46.0	N08 33.1
04		239 46.2	N08 34.0
05		254 46.3	N08 34.9
06		269 46.5	N08 35.8
07		284 46.6	N08 36.8
08		299 46.8	N08 37.7
09		314 47.0	N08 38.6
10		329 47.1	N08 39.5
11		344 47.3	N08 40.4
12		359 47.5	N08 41.3
13		14 47.6	N08 42.2
14		29 47.8	N08 43.2
15		44 47.9	N08 44.1
16		59 48.1	N08 45.0
17		74 48.3	N08 45.9
18		89 48.4	N08 46.8
19		104 48.6	N08 47.7
20		119 48.7	N08 48.6
21		134 48.9	N08 49.5
22		149 49.1	N08 50.4
23		164 49.2	N08 51.4
00	2023-04-13	179 49.4	N08 52.3
01		194 49.5	N08 53.2
02		209 49.7	N08 54.1
03		224 49.9	N08 55.0
04		239 50.0	N08 55.9
05		254 50.2	N08 56.8
06		269 50.3	N08 57.7
07		284 50.5	N08 58.6
08		299 50.7	N08 59.5
09		314 50.8	N09 00.4
10		329 51.0	N09 01.4
11		344 51.1	N09 02.3
12		359 51.3	N09 03.2
13		14 51.5	N09 04.1
14		29 51.6	N09 05.0

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
15		44 51.8	N09 05.9
16		59 51.9	N09 06.8
17		74 52.1	N09 07.7
18		89 52.2	N09 08.6
19		104 52.4	N09 09.5
20		119 52.6	N09 10.4
21		134 52.7	N09 11.3
22		149 52.9	N09 12.2
23		164 53.0	N09 13.1
00	2023-04-14	179 53.2	N09 14.0
01		194 53.3	N09 14.9
02		209 53.5	N09 15.8
03		224 53.6	N09 16.7
04		239 53.8	N09 17.6
05		254 54.0	N09 18.5
06		269 54.1	N09 19.4
07		284 54.3	N09 20.3
08		299 54.4	N09 21.2
09		314 54.6	N09 22.1
10		329 54.7	N09 23.1
11		344 54.9	N09 24.0
12		359 55.0	N09 24.9
13		14 55.2	N09 25.8
14		29 55.4	N09 26.7
15		44 55.5	N09 27.6
16		59 55.7	N09 28.5
17		74 55.8	N09 29.4
18		89 56.0	N09 30.3
19		104 56.1	N09 31.1
20		119 56.3	N09 32.0
21		134 56.4	N09 32.9
22		149 56.6	N09 33.8
23		164 56.7	N09 34.7
00	2023-04-15	179 56.9	N09 35.6
01		194 57.0	N09 36.5
02		209 57.2	N09 37.4
03		224 57.3	N09 38.3
04		239 57.5	N09 39.2
05		254 57.6	N09 40.1
06		269 57.8	N09 41.0
07		284 57.9	N09 41.9
08		299 58.1	N09 42.8
09		314 58.3	N09 43.7
10		329 58.4	N09 44.6
11		344 58.6	N09 45.5
12		359 58.7	N09 46.4
13		14 58.9	N09 47.3
14		29 59.0	N09 48.2
15		44 59.2	N09 49.1
16		59 59.3	N09 50.0
17		74 59.5	N09 50.9
18		89 59.6	N09 51.7
19		104 59.8	N09 52.6
20		119 59.9	N09 53.5
21		135 00.1	N09 54.4
22		150 00.2	N09 55.3
23		165 00.4	N09 56.2
00	2023-04-16	180 00.5	N09 57.1
01		195 00.6	N09 58.0
02		210 00.8	N09 58.9
03		225 00.9	N09 59.8
04		240 01.1	N10 00.7

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
05		255 01.2	N10 01.5
06		270 01.4	N10 02.4
07		285 01.5	N10 03.3
08		300 01.7	N10 04.2
09		315 01.8	N10 05.1
10		330 02.0	N10 06.0
11		345 02.1	N10 06.9
12		0 02.3	N10 07.8
13		15 02.4	N10 08.6
14		30 02.6	N10 09.5
15		45 02.7	N10 10.4
16		60 02.9	N10 11.3
17		75 03.0	N10 12.2
18		90 03.1	N10 13.1
19		105 03.3	N10 14.0
20		120 03.4	N10 14.8
21		135 03.6	N10 15.7
22		150 03.7	N10 16.6
23		165 03.9	N10 17.5
00	2023-04-17	180 04.0	N10 18.4
01		195 04.2	N10 19.3
02		210 04.3	N10 20.2
03		225 04.5	N10 21.0
04		240 04.6	N10 21.9
05		255 04.7	N10 22.8
06		270 04.9	N10 23.7
07		285 05.0	N10 24.6
08		300 05.2	N10 25.4
09		315 05.3	N10 26.3
10		330 05.5	N10 27.2
11		345 05.6	N10 28.1
12		0 05.7	N10 29.0
13		15 05.9	N10 29.8
14		30 06.0	N10 30.7
15		45 06.2	N10 31.6
16		60 06.3	N10 32.5
17		75 06.5	N10 33.4
18		90 06.6	N10 34.2
19		105 06.7	N10 35.1
20		120 06.9	N10 36.0
21		135 07.0	N10 36.9
22		150 07.2	N10 37.8
23		165 07.3	N10 38.6
00	2023-04-18	180 07.4	N10 39.5
01		195 07.6	N10 40.4
02		210 07.7	N10 41.3
03		225 07.9	N10 42.1
04		240 08.0	N10 43.0
05		255 08.1	N10 43.9
06		270 08.3	N10 44.8
07		285 08.4	N10 45.6
08		300 08.6	N10 46.5
09		315 08.7	N10 47.4
10		330 08.8	N10 48.3
11		345 09.0	N10 49.1
12		0 09.1	N10 50.0
13		15 09.3	N10 50.9
14		30 09.4	N10 51.7
15		45 09.5	N10 52.6
16		60 09.7	N10 53.5
17		75 09.8	N10 54.4
18		90 09.9	N10 55.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
19		105 10.1	N10 56.1
20		120 10.2	N10 57.0
21		135 10.4	N10 57.8
22		150 10.5	N10 58.7
23		165 10.6	N10 59.6
00	2023-04-19	180 10.8	N11 00.5
01		195 10.9	N11 01.3
02		210 11.0	N11 02.2
03		225 11.2	N11 03.1
04		240 11.3	N11 03.9
05		255 11.4	N11 04.8
06		270 11.6	N11 05.7
07		285 11.7	N11 06.5
08		300 11.9	N11 07.4
09		315 12.0	N11 08.3
10		330 12.1	N11 09.1
11		345 12.3	N11 10.0
12		0 12.4	N11 10.9
13		15 12.5	N11 11.7
14		30 12.7	N11 12.6
15		45 12.8	N11 13.5
16		60 12.9	N11 14.3
17		75 13.1	N11 15.2
18		90 13.2	N11 16.0
19		105 13.3	N11 16.9
20		120 13.5	N11 17.8
21		135 13.6	N11 18.6
22		150 13.7	N11 19.5
23		165 13.9	N11 20.4
00	2023-04-20	180 14.0	N11 21.2
01		195 14.1	N11 22.1
02		210 14.3	N11 22.9
03		225 14.4	N11 23.8
04		240 14.5	N11 24.7
05		255 14.6	N11 25.5
06		270 14.8	N11 26.4
07		285 14.9	N11 27.2
08		300 15.0	N11 28.1
09		315 15.2	N11 29.0
10		330 15.3	N11 29.8
11		345 15.4	N11 30.7
12		0 15.6	N11 31.5
13		15 15.7	N11 32.4
14		30 15.8	N11 33.2
15		45 16.0	N11 34.1
16		60 16.1	N11 35.0
17		75 16.2	N11 35.8
18		90 16.3	N11 36.7
19		105 16.5	N11 37.5
20		120 16.6	N11 38.4
21		135 16.7	N11 39.2
22		150 16.9	N11 40.1
23		165 17.0	N11 40.9
00	2023-04-21	180 17.1	N11 41.8
01		195 17.2	N11 42.6
02		210 17.4	N11 43.5
03		225 17.5	N11 44.4
04		240 17.6	N11 45.2
05		255 17.7	N11 46.1
06		270 17.9	N11 46.9
07		285 18.0	N11 47.8
08		300 18.1	N11 48.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
09		315 18.3	N11 49.5
10		330 18.4	N11 50.3
11		345 18.5	N11 51.2
12		0 18.6	N11 52.0
13		15 18.8	N11 52.9
14		30 18.9	N11 53.7
15		45 19.0	N11 54.6
16		60 19.1	N11 55.4
17		75 19.3	N11 56.3
18		90 19.4	N11 57.1
19		105 19.5	N11 58.0
20		120 19.6	N11 58.8
21		135 19.7	N11 59.6
22		150 19.9	N12 00.5
23		165 20.0	N12 01.3
00	2023-04-22	180 20.1	N12 02.2
01		195 20.2	N12 03.0
02		210 20.4	N12 03.9
03		225 20.5	N12 04.7
04		240 20.6	N12 05.6
05		255 20.7	N12 06.4
06		270 20.9	N12 07.2
07		285 21.0	N12 08.1
08		300 21.1	N12 08.9
09		315 21.2	N12 09.8
10		330 21.3	N12 10.6
11		345 21.5	N12 11.5
12		0 21.6	N12 12.3
13		15 21.7	N12 13.1
14		30 21.8	N12 14.0
15		45 21.9	N12 14.8
16		60 22.1	N12 15.7
17		75 22.2	N12 16.5
18		90 22.3	N12 17.3
19		105 22.4	N12 18.2
20		120 22.5	N12 19.0
21		135 22.7	N12 19.9
22		150 22.8	N12 20.7
23		165 22.9	N12 21.5
00	2023-04-23	180 23.0	N12 22.4
01		195 23.1	N12 23.2
02		210 23.3	N12 24.0
03		225 23.4	N12 24.9
04		240 23.5	N12 25.7
05		255 23.6	N12 26.5
06		270 23.7	N12 27.4
07		285 23.8	N12 28.2
08		300 24.0	N12 29.1
09		315 24.1	N12 29.9
10		330 24.2	N12 30.7
11		345 24.3	N12 31.6
12		0 24.4	N12 32.4
13		15 24.5	N12 33.2
14		30 24.7	N12 34.1
15		45 24.8	N12 34.9
16		60 24.9	N12 35.7
17		75 25.0	N12 36.5
18		90 25.1	N12 37.4
19		105 25.2	N12 38.2
20		120 25.4	N12 39.0
21		135 25.5	N12 39.9
22		150 25.6	N12 40.7

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
23		165 25.7	N12 41.5
00	2023-04-24	180 25.8	N12 42.4
01		195 25.9	N12 43.2
02		210 26.0	N12 44.0
03		225 26.2	N12 44.8
04		240 26.3	N12 45.7
05		255 26.4	N12 46.5
06		270 26.5	N12 47.3
07		285 26.6	N12 48.1
08		300 26.7	N12 49.0
09		315 26.8	N12 49.8
10		330 26.9	N12 50.6
11		345 27.1	N12 51.4
12		0 27.2	N12 52.3
13		15 27.3	N12 53.1
14		30 27.4	N12 53.9
15		45 27.5	N12 54.7
16		60 27.6	N12 55.6
17		75 27.7	N12 56.4
18		90 27.8	N12 57.2
19		105 27.9	N12 58.0
20		120 28.0	N12 58.8
21		135 28.2	N12 59.7
22		150 28.3	N13 00.5
23		165 28.4	N13 01.3
00	2023-04-25	180 28.5	N13 02.1
01		195 28.6	N13 02.9
02		210 28.7	N13 03.8
03		225 28.8	N13 04.6
04		240 28.9	N13 05.4
05		255 29.0	N13 06.2
06		270 29.1	N13 07.0
07		285 29.2	N13 07.8
08		300 29.4	N13 08.7
09		315 29.5	N13 09.5
10		330 29.6	N13 10.3
11		345 29.7	N13 11.1
12		0 29.8	N13 11.9
13		15 29.9	N13 12.7
14		30 30.0	N13 13.6
15		45 30.1	N13 14.4
16		60 30.2	N13 15.2
17		75 30.3	N13 16.0
18		90 30.4	N13 16.8
19		105 30.5	N13 17.6
20		120 30.6	N13 18.4
21		135 30.7	N13 19.2
22		150 30.8	N13 20.1
23		165 30.9	N13 20.9
00	2023-04-26	180 31.0	N13 21.7
01		195 31.2	N13 22.5
02		210 31.3	N13 23.3
03		225 31.4	N13 24.1
04		240 31.5	N13 24.9
05		255 31.6	N13 25.7
06		270 31.7	N13 26.5
07		285 31.8	N13 27.3
08		300 31.9	N13 28.1
09		315 32.0	N13 29.0
10		330 32.1	N13 29.8
11		345 32.2	N13 30.6
12		0 32.3	N13 31.4

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
13		15 32.4	N13 32.2
14		30 32.5	N13 33.0
15		45 32.6	N13 33.8
16		60 32.7	N13 34.6
17		75 32.8	N13 35.4
18		90 32.9	N13 36.2
19		105 33.0	N13 37.0
20		120 33.1	N13 37.8
21		135 33.2	N13 38.6
22		150 33.3	N13 39.4
23		165 33.4	N13 40.2
00	2023-04-27	180 33.5	N13 41.0
01		195 33.6	N13 41.8
02		210 33.7	N13 42.6
03		225 33.8	N13 43.4
04		240 33.9	N13 44.2
05		255 34.0	N13 45.0
06		270 34.1	N13 45.8
07		285 34.2	N13 46.6
08		300 34.3	N13 47.4
09		315 34.4	N13 48.2
10		330 34.5	N13 49.0
11		345 34.6	N13 49.8
12		0 34.7	N13 50.6
13		15 34.8	N13 51.4
14		30 34.9	N13 52.2
15		45 35.0	N13 53.0
16		60 35.1	N13 53.8
17		75 35.1	N13 54.6
18		90 35.2	N13 55.4
19		105 35.3	N13 56.2
20		120 35.4	N13 57.0
21		135 35.5	N13 57.7
22		150 35.6	N13 58.5
23		165 35.7	N13 59.3
00	2023-04-28	180 35.8	N14 00.1
01		195 35.9	N14 00.9
02		210 36.0	N14 01.7
03		225 36.1	N14 02.5
04		240 36.2	N14 03.3
05		255 36.3	N14 04.1
06		270 36.4	N14 04.9
07		285 36.5	N14 05.6
08		300 36.6	N14 06.4
09		315 36.7	N14 07.2
10		330 36.7	N14 08.0
11		345 36.8	N14 08.8
12		0 36.9	N14 09.6
13		15 37.0	N14 10.4
14		30 37.1	N14 11.2
15		45 37.2	N14 11.9
16		60 37.3	N14 12.7
17		75 37.4	N14 13.5
18		90 37.5	N14 14.3
19		105 37.6	N14 15.1
20		120 37.7	N14 15.9
21		135 37.7	N14 16.6
22		150 37.8	N14 17.4
23		165 37.9	N14 18.2
00	2023-04-29	180 38.0	N14 19.0
01		195 38.1	N14 19.8
02		210 38.2	N14 20.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
03		225 38.3	N14 21.3
04		240 38.4	N14 22.1
05		255 38.5	N14 22.9
06		270 38.5	N14 23.7
07		285 38.6	N14 24.5
08		300 38.7	N14 25.2
09		315 38.8	N14 26.0
10		330 38.9	N14 26.8
11		345 39.0	N14 27.6
12		0 39.1	N14 28.3
13		15 39.2	N14 29.1
14		30 39.2	N14 29.9
15		45 39.3	N14 30.7
16		60 39.4	N14 31.4
17		75 39.5	N14 32.2
18		90 39.6	N14 33.0
19		105 39.7	N14 33.8
20		120 39.7	N14 34.5
21		135 39.8	N14 35.3
22		150 39.9	N14 36.1
23		165 40.0	N14 36.9
00	2023-04-30	180 40.1	N14 37.6
01		195 40.2	N14 38.4
02		210 40.3	N14 39.2
03		225 40.3	N14 39.9
04		240 40.4	N14 40.7
05		255 40.5	N14 41.5
06		270 40.6	N14 42.2
07		285 40.7	N14 43.0
08		300 40.7	N14 43.8
09		315 40.8	N14 44.6
10		330 40.9	N14 45.3
11		345 41.0	N14 46.1
12		0 41.1	N14 46.9
13		15 41.2	N14 47.6
14		30 41.2	N14 48.4
15		45 41.3	N14 49.2
16		60 41.4	N14 49.9
17		75 41.5	N14 50.7
18		90 41.6	N14 51.4
19		105 41.6	N14 52.2
20		120 41.7	N14 53.0
21		135 41.8	N14 53.7
22		150 41.9	N14 54.5
23		165 42.0	N14 55.3
00	2023-05-01	180 42.0	N14 56.0
01		195 42.1	N14 56.8
02		210 42.2	N14 57.5
03		225 42.3	N14 58.3
04		240 42.3	N14 59.1
05		255 42.4	N14 59.8
06		270 42.5	N15 00.6
07		285 42.6	N15 01.3
08		300 42.7	N15 02.1
09		315 42.7	N15 02.9
10		330 42.8	N15 03.6
11		345 42.9	N15 04.4
12		0 43.0	N15 05.1
13		15 43.0	N15 05.9
14		30 43.1	N15 06.6
15		45 43.2	N15 07.4
16		60 43.3	N15 08.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
17		75 43.3	N15 08.9
18		90 43.4	N15 09.7
19		105 43.5	N15 10.4
20		120 43.6	N15 11.2
21		135 43.6	N15 11.9
22		150 43.7	N15 12.7
23		165 43.8	N15 13.4
00	2023-05-02	180 43.8	N15 14.2
01		195 43.9	N15 14.9
02		210 44.0	N15 15.7
03		225 44.1	N15 16.4
04		240 44.1	N15 17.2
05		255 44.2	N15 17.9
06		270 44.3	N15 18.7
07		285 44.4	N15 19.4
08		300 44.4	N15 20.2
09		315 44.5	N15 20.9
10		330 44.6	N15 21.6
11		345 44.6	N15 22.4
12		0 44.7	N15 23.1
13		15 44.8	N15 23.9
14		30 44.8	N15 24.6
15		45 44.9	N15 25.4
16		60 45.0	N15 26.1
17		75 45.1	N15 26.9
18		90 45.1	N15 27.6
19		105 45.2	N15 28.3
20		120 45.3	N15 29.1
21		135 45.3	N15 29.8
22		150 45.4	N15 30.6
23		165 45.5	N15 31.3
00	2023-05-03	180 45.5	N15 32.1
01		195 45.6	N15 32.8
02		210 45.7	N15 33.5
03		225 45.7	N15 34.3
04		240 45.8	N15 35.0
05		255 45.9	N15 35.7
06		270 45.9	N15 36.5
07		285 46.0	N15 37.2
08		300 46.1	N15 38.0
09		315 46.1	N15 38.7
10		330 46.2	N15 39.4
11		345 46.3	N15 40.2
12		0 46.3	N15 40.9
13		15 46.4	N15 41.6
14		30 46.5	N15 42.4
15		45 46.5	N15 43.1
16		60 46.6	N15 43.8
17		75 46.6	N15 44.6
18		90 46.7	N15 45.3
19		105 46.8	N15 46.0
20		120 46.8	N15 46.8
21		135 46.9	N15 47.5
22		150 47.0	N15 48.2
23		165 47.0	N15 49.0
00	2023-05-04	180 47.1	N15 49.7
01		195 47.1	N15 50.4
02		210 47.2	N15 51.1
03		225 47.3	N15 51.9
04		240 47.3	N15 52.6
05		255 47.4	N15 53.3
06		270 47.4	N15 54.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
07		285 47.5	N15 54.8
08		300 47.6	N15 55.5
09		315 47.6	N15 56.2
10		330 47.7	N15 57.0
11		345 47.7	N15 57.7
12		0 47.8	N15 58.4
13		15 47.9	N15 59.1
14		30 47.9	N15 59.8
15		45 48.0	N16 00.6
16		60 48.0	N16 01.3
17		75 48.1	N16 02.0
18		90 48.2	N16 02.7
19		105 48.2	N16 03.5
20		120 48.3	N16 04.2
21		135 48.3	N16 04.9
22		150 48.4	N16 05.6
23		165 48.4	N16 06.3
00	2023-05-05	180 48.5	N16 07.1
01		195 48.6	N16 07.8
02		210 48.6	N16 08.5
03		225 48.7	N16 09.2
04		240 48.7	N16 09.9
05		255 48.8	N16 10.6
06		270 48.8	N16 11.4
07		285 48.9	N16 12.1
08		300 48.9	N16 12.8
09		315 49.0	N16 13.5
10		330 49.0	N16 14.2
11		345 49.1	N16 14.9
12		0 49.2	N16 15.6
13		15 49.2	N16 16.3
14		30 49.3	N16 17.1
15		45 49.3	N16 17.8
16		60 49.4	N16 18.5
17		75 49.4	N16 19.2
18		90 49.5	N16 19.9
19		105 49.5	N16 20.6
20		120 49.6	N16 21.3
21		135 49.6	N16 22.0
22		150 49.7	N16 22.7
23		165 49.7	N16 23.4
00	2023-05-06	180 49.8	N16 24.2
01		195 49.8	N16 24.9
02		210 49.9	N16 25.6
03		225 49.9	N16 26.3
04		240 50.0	N16 27.0
05		255 50.0	N16 27.7
06		270 50.1	N16 28.4
07		285 50.1	N16 29.1
08		300 50.2	N16 29.8
09		315 50.2	N16 30.5
10		330 50.3	N16 31.2
11		345 50.3	N16 31.9
12		0 50.4	N16 32.6
13		15 50.4	N16 33.3
14		30 50.5	N16 34.0
15		45 50.5	N16 34.7
16		60 50.5	N16 35.4
17		75 50.6	N16 36.1
18		90 50.6	N16 36.8
19		105 50.7	N16 37.5
20		120 50.7	N16 38.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
21		135 50.8	N16 38.9
22		150 50.8	N16 39.6
23		165 50.9	N16 40.3
00	2023-05-07	180 50.9	N16 41.0
01		195 51.0	N16 41.7
02		210 51.0	N16 42.4
03		225 51.0	N16 43.1
04		240 51.1	N16 43.8
05		255 51.1	N16 44.5
06		270 51.2	N16 45.1
07		285 51.2	N16 45.8
08		300 51.3	N16 46.5
09		315 51.3	N16 47.2
10		330 51.3	N16 47.9
11		345 51.4	N16 48.6
12		0 51.4	N16 49.3
13		15 51.5	N16 50.0
14		30 51.5	N16 50.7
15		45 51.5	N16 51.4
16		60 51.6	N16 52.0
17		75 51.6	N16 52.7
18		90 51.7	N16 53.4
19		105 51.7	N16 54.1
20		120 51.7	N16 54.8
21		135 51.8	N16 55.5
22		150 51.8	N16 56.2
23		165 51.9	N16 56.8
00	2023-05-08	180 51.9	N16 57.5
01		195 51.9	N16 58.2
02		210 52.0	N16 58.9
03		225 52.0	N16 59.6
04		240 52.1	N17 00.3
05		255 52.1	N17 00.9
06		270 52.1	N17 01.6
07		285 52.2	N17 02.3
08		300 52.2	N17 03.0
09		315 52.2	N17 03.7
10		330 52.3	N17 04.3
11		345 52.3	N17 05.0
12		0 52.3	N17 05.7
13		15 52.4	N17 06.4
14		30 52.4	N17 07.1
15		45 52.4	N17 07.7
16		60 52.5	N17 08.4
17		75 52.5	N17 09.1
18		90 52.6	N17 09.8
19		105 52.6	N17 10.4
20		120 52.6	N17 11.1
21		135 52.7	N17 11.8
22		150 52.7	N17 12.5
23		165 52.7	N17 13.1
00	2023-05-09	180 52.8	N17 13.8
01		195 52.8	N17 14.5
02		210 52.8	N17 15.1
03		225 52.8	N17 15.8
04		240 52.9	N17 16.5
05		255 52.9	N17 17.2
06		270 52.9	N17 17.8
07		285 53.0	N17 18.5
08		300 53.0	N17 19.2
09		315 53.0	N17 19.8
10		330 53.1	N17 20.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
11		345 53.1	N17 21.2
12		0 53.1	N17 21.8
13		15 53.1	N17 22.5
14		30 53.2	N17 23.2
15		45 53.2	N17 23.8
16		60 53.2	N17 24.5
17		75 53.3	N17 25.2
18		90 53.3	N17 25.8
19		105 53.3	N17 26.5
20		120 53.3	N17 27.1
21		135 53.4	N17 27.8
22		150 53.4	N17 28.5
23		165 53.4	N17 29.1
00	2023-05-10	180 53.5	N17 29.8
01		195 53.5	N17 30.4
02		210 53.5	N17 31.1
03		225 53.5	N17 31.8
04		240 53.6	N17 32.4
05		255 53.6	N17 33.1
06		270 53.6	N17 33.7
07		285 53.6	N17 34.4
08		300 53.7	N17 35.1
09		315 53.7	N17 35.7
10		330 53.7	N17 36.4
11		345 53.7	N17 37.0
12		0 53.7	N17 37.7
13		15 53.8	N17 38.3
14		30 53.8	N17 39.0
15		45 53.8	N17 39.6
16		60 53.8	N17 40.3
17		75 53.9	N17 40.9
18		90 53.9	N17 41.6
19		105 53.9	N17 42.2
20		120 53.9	N17 42.9
21		135 53.9	N17 43.5
22		150 54.0	N17 44.2
23		165 54.0	N17 44.8
00	2023-05-11	180 54.0	N17 45.5
01		195 54.0	N17 46.1
02		210 54.0	N17 46.8
03		225 54.1	N17 47.4
04		240 54.1	N17 48.1
05		255 54.1	N17 48.7
06		270 54.1	N17 49.4
07		285 54.1	N17 50.0
08		300 54.2	N17 50.6
09		315 54.2	N17 51.3
10		330 54.2	N17 51.9
11		345 54.2	N17 52.6
12		0 54.2	N17 53.2
13		15 54.2	N17 53.9
14		30 54.3	N17 54.5
15		45 54.3	N17 55.1
16		60 54.3	N17 55.8
17		75 54.3	N17 56.4
18		90 54.3	N17 57.1
19		105 54.3	N17 57.7
20		120 54.4	N17 58.3
21		135 54.4	N17 59.0
22		150 54.4	N17 59.6
23		165 54.4	N18 00.2
00	2023-05-12	180 54.4	N18 00.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
01		195 54.4	N18 01.5
02		210 54.4	N18 02.1
03		225 54.5	N18 02.8
04		240 54.5	N18 03.4
05		255 54.5	N18 04.0
06		270 54.5	N18 04.7
07		285 54.5	N18 05.3
08		300 54.5	N18 05.9
09		315 54.5	N18 06.6
10		330 54.5	N18 07.2
11		345 54.6	N18 07.8
12		0 54.6	N18 08.5
13		15 54.6	N18 09.1
14		30 54.6	N18 09.7
15		45 54.6	N18 10.3
16		60 54.6	N18 11.0
17		75 54.6	N18 11.6
18		90 54.6	N18 12.2
19		105 54.6	N18 12.9
20		120 54.6	N18 13.5
21		135 54.7	N18 14.1
22		150 54.7	N18 14.7
23		165 54.7	N18 15.4
00	2023-05-13	180 54.7	N18 16.0
01		195 54.7	N18 16.6
02		210 54.7	N18 17.2
03		225 54.7	N18 17.8
04		240 54.7	N18 18.5
05		255 54.7	N18 19.1
06		270 54.7	N18 19.7
07		285 54.7	N18 20.3
08		300 54.7	N18 20.9
09		315 54.7	N18 21.6
10		330 54.7	N18 22.2
11		345 54.7	N18 22.8
12		0 54.8	N18 23.4
13		15 54.8	N18 24.0
14		30 54.8	N18 24.6
15		45 54.8	N18 25.3
16		60 54.8	N18 25.9
17		75 54.8	N18 26.5
18		90 54.8	N18 27.1
19		105 54.8	N18 27.7
20		120 54.8	N18 28.3
21		135 54.8	N18 28.9
22		150 54.8	N18 29.5
23		165 54.8	N18 30.2
00	2023-05-14	180 54.8	N18 30.8
01		195 54.8	N18 31.4
02		210 54.8	N18 32.0
03		225 54.8	N18 32.6
04		240 54.8	N18 33.2
05		255 54.8	N18 33.8
06		270 54.8	N18 34.4
07		285 54.8	N18 35.0
08		300 54.8	N18 35.6
09		315 54.8	N18 36.2
10		330 54.8	N18 36.8
11		345 54.8	N18 37.4
12		0 54.8	N18 38.0
13		15 54.8	N18 38.6
14		30 54.8	N18 39.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
15		45 54.8	N18 39.9
16		60 54.8	N18 40.5
17		75 54.8	N18 41.1
18		90 54.8	N18 41.7
19		105 54.8	N18 42.3
20		120 54.8	N18 42.9
21		135 54.8	N18 43.5
22		150 54.8	N18 44.0
23		165 54.8	N18 44.6
00	2023-05-15	180 54.8	N18 45.2
01		195 54.7	N18 45.8
02		210 54.7	N18 46.4
03		225 54.7	N18 47.0
04		240 54.7	N18 47.6
05		255 54.7	N18 48.2
06		270 54.7	N18 48.8
07		285 54.7	N18 49.4
08		300 54.7	N18 50.0
09		315 54.7	N18 50.6
10		330 54.7	N18 51.2
11		345 54.7	N18 51.8
12		0 54.7	N18 52.4
13		15 54.7	N18 53.0
14		30 54.7	N18 53.5
15		45 54.7	N18 54.1
16		60 54.6	N18 54.7
17		75 54.6	N18 55.3
18		90 54.6	N18 55.9
19		105 54.6	N18 56.5
20		120 54.6	N18 57.1
21		135 54.6	N18 57.7
22		150 54.6	N18 58.2
23		165 54.6	N18 58.8
00	2023-05-16	180 54.6	N18 59.4
01		195 54.6	N18 60.0
02		210 54.6	N19 00.6
03		225 54.5	N19 01.2
04		240 54.5	N19 01.7
05		255 54.5	N19 02.3
06		270 54.5	N19 02.9
07		285 54.5	N19 03.5
08		300 54.5	N19 04.1
09		315 54.5	N19 04.6
10		330 54.5	N19 05.2
11		345 54.4	N19 05.8
12		0 54.4	N19 06.4
13		15 54.4	N19 06.9
14		30 54.4	N19 07.5
15		45 54.4	N19 08.1
16		60 54.4	N19 08.7
17		75 54.4	N19 09.2
18		90 54.3	N19 09.8
19		105 54.3	N19 10.4
20		120 54.3	N19 11.0
21		135 54.3	N19 11.5
22		150 54.3	N19 12.1
23		165 54.3	N19 12.7
00	2023-05-17	180 54.2	N19 13.2
01		195 54.2	N19 13.8
02		210 54.2	N19 14.4
03		225 54.2	N19 15.0
04		240 54.2	N19 15.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
05		255 54.2	N19 16.1
06		270 54.1	N19 16.7
07		285 54.1	N19 17.2
08		300 54.1	N19 17.8
09		315 54.1	N19 18.4
10		330 54.1	N19 18.9
11		345 54.0	N19 19.5
12		0 54.0	N19 20.0
13		15 54.0	N19 20.6
14		30 54.0	N19 21.2
15		45 54.0	N19 21.7
16		60 53.9	N19 22.3
17		75 53.9	N19 22.9
18		90 53.9	N19 23.4
19		105 53.9	N19 24.0
20		120 53.9	N19 24.5
21		135 53.8	N19 25.1
22		150 53.8	N19 25.7
23		165 53.8	N19 26.2
00	2023-05-18	180 53.8	N19 26.8
01		195 53.8	N19 27.3
02		210 53.7	N19 27.9
03		225 53.7	N19 28.4
04		240 53.7	N19 29.0
05		255 53.7	N19 29.5
06		270 53.6	N19 30.1
07		285 53.6	N19 30.6
08		300 53.6	N19 31.2
09		315 53.6	N19 31.7
10		330 53.5	N19 32.3
11		345 53.5	N19 32.9
12		0 53.5	N19 33.4
13		15 53.5	N19 34.0
14		30 53.4	N19 34.5
15		45 53.4	N19 35.0
16		60 53.4	N19 35.6
17		75 53.4	N19 36.1
18		90 53.3	N19 36.7
19		105 53.3	N19 37.2
20		120 53.3	N19 37.8
21		135 53.2	N19 38.3
22		150 53.2	N19 38.9
23		165 53.2	N19 39.4
00	2023-05-19	180 53.2	N19 40.0
01		195 53.1	N19 40.5
02		210 53.1	N19 41.0
03		225 53.1	N19 41.6
04		240 53.0	N19 42.1
05		255 53.0	N19 42.7
06		270 53.0	N19 43.2
07		285 53.0	N19 43.7
08		300 52.9	N19 44.3
09		315 52.9	N19 44.8
10		330 52.9	N19 45.3
11		345 52.8	N19 45.9
12		0 52.8	N19 46.4
13		15 52.8	N19 47.0
14		30 52.7	N19 47.5
15		45 52.7	N19 48.0
16		60 52.7	N19 48.6
17		75 52.6	N19 49.1
18		90 52.6	N19 49.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
19		105 52.6	N19 50.2
20		120 52.5	N19 50.7
21		135 52.5	N19 51.2
22		150 52.5	N19 51.7
23		165 52.4	N19 52.3
00	2023-05-20	180 52.4	N19 52.8
01		195 52.4	N19 53.3
02		210 52.3	N19 53.9
03		225 52.3	N19 54.4
04		240 52.3	N19 54.9
05		255 52.2	N19 55.4
06		270 52.2	N19 56.0
07		285 52.2	N19 56.5
08		300 52.1	N19 57.0
09		315 52.1	N19 57.5
10		330 52.1	N19 58.1
11		345 52.0	N19 58.6
12		0 52.0	N19 59.1
13		15 52.0	N19 59.6
14		30 51.9	N20 00.1
15		45 51.9	N20 00.7
16		60 51.8	N20 01.2
17		75 51.8	N20 01.7
18		90 51.8	N20 02.2
19		105 51.7	N20 02.7
20		120 51.7	N20 03.3
21		135 51.6	N20 03.8
22		150 51.6	N20 04.3
23		165 51.6	N20 04.8
00	2023-05-21	180 51.5	N20 05.3
01		195 51.5	N20 05.8
02		210 51.5	N20 06.3
03		225 51.4	N20 06.9
04		240 51.4	N20 07.4
05		255 51.3	N20 07.9
06		270 51.3	N20 08.4
07		285 51.2	N20 08.9
08		300 51.2	N20 09.4
09		315 51.2	N20 09.9
10		330 51.1	N20 10.4
11		345 51.1	N20 10.9
12		0 51.0	N20 11.4
13		15 51.0	N20 11.9
14		30 51.0	N20 12.5
15		45 50.9	N20 13.0
16		60 50.9	N20 13.5
17		75 50.8	N20 14.0
18		90 50.8	N20 14.5
19		105 50.7	N20 15.0
20		120 50.7	N20 15.5
21		135 50.6	N20 16.0
22		150 50.6	N20 16.5
23		165 50.6	N20 17.0
00	2023-05-22	180 50.5	N20 17.5
01		195 50.5	N20 18.0
02		210 50.4	N20 18.5
03		225 50.4	N20 19.0
04		240 50.3	N20 19.5
05		255 50.3	N20 20.0
06		270 50.2	N20 20.5
07		285 50.2	N20 21.0
08		300 50.1	N20 21.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
09		315 50.1	N20 22.0
10		330 50.1	N20 22.5
11		345 50.0	N20 22.9
12		0 50.0	N20 23.4
13		15 49.9	N20 23.9
14		30 49.9	N20 24.4
15		45 49.8	N20 24.9
16		60 49.8	N20 25.4
17		75 49.7	N20 25.9
18		90 49.7	N20 26.4
19		105 49.6	N20 26.9
20		120 49.6	N20 27.4
21		135 49.5	N20 27.8
22		150 49.5	N20 28.3
23		165 49.4	N20 28.8
00	2023-05-23	180 49.4	N20 29.3
01		195 49.3	N20 29.8
02		210 49.3	N20 30.3
03		225 49.2	N20 30.8
04		240 49.2	N20 31.2
05		255 49.1	N20 31.7
06		270 49.1	N20 32.2
07		285 49.0	N20 32.7
08		300 49.0	N20 33.2
09		315 48.9	N20 33.6
10		330 48.9	N20 34.1
11		345 48.8	N20 34.6
12		0 48.7	N20 35.1
13		15 48.7	N20 35.6
14		30 48.6	N20 36.0
15		45 48.6	N20 36.5
16		60 48.5	N20 37.0
17		75 48.5	N20 37.5
18		90 48.4	N20 37.9
19		105 48.4	N20 38.4
20		120 48.3	N20 38.9
21		135 48.3	N20 39.4
22		150 48.2	N20 39.8
23		165 48.1	N20 40.3
00	2023-05-24	180 48.1	N20 40.8
01		195 48.0	N20 41.2
02		210 48.0	N20 41.7
03		225 47.9	N20 42.2
04		240 47.9	N20 42.6
05		255 47.8	N20 43.1
06		270 47.8	N20 43.6
07		285 47.7	N20 44.0
08		300 47.6	N20 44.5
09		315 47.6	N20 45.0
10		330 47.5	N20 45.4
11		345 47.5	N20 45.9
12		0 47.4	N20 46.4
13		15 47.3	N20 46.8
14		30 47.3	N20 47.3
15		45 47.2	N20 47.8
16		60 47.2	N20 48.2
17		75 47.1	N20 48.7
18		90 47.1	N20 49.1
19		105 47.0	N20 49.6
20		120 46.9	N20 50.1
21		135 46.9	N20 50.5
22		150 46.8	N20 51.0

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
23		165 46.8	N20 51.4
00	2023-05-25	180 46.7	N20 51.9
01		195 46.6	N20 52.3
02		210 46.6	N20 52.8
03		225 46.5	N20 53.2
04		240 46.4	N20 53.7
05		255 46.4	N20 54.2
06		270 46.3	N20 54.6
07		285 46.3	N20 55.1
08		300 46.2	N20 55.5
09		315 46.1	N20 56.0
10		330 46.1	N20 56.4
11		345 46.0	N20 56.9
12		0 45.9	N20 57.3
13		15 45.9	N20 57.7
14		30 45.8	N20 58.2
15		45 45.8	N20 58.6
16		60 45.7	N20 59.1
17		75 45.6	N20 59.5
18		90 45.6	N20 60.0
19		105 45.5	N21 00.4
20		120 45.4	N21 00.9
21		135 45.4	N21 01.3
22		150 45.3	N21 01.7
23		165 45.2	N21 02.2
00	2023-05-26	180 45.2	N21 02.6
01		195 45.1	N21 03.1
02		210 45.0	N21 03.5
03		225 45.0	N21 03.9
04		240 44.9	N21 04.4
05		255 44.8	N21 04.8
06		270 44.8	N21 05.3
07		285 44.7	N21 05.7
08		300 44.6	N21 06.1
09		315 44.6	N21 06.6
10		330 44.5	N21 07.0
11		345 44.4	N21 07.4
12		0 44.4	N21 07.9
13		15 44.3	N21 08.3
14		30 44.2	N21 08.7
15		45 44.2	N21 09.2
16		60 44.1	N21 09.6
17		75 44.0	N21 10.0
18		90 44.0	N21 10.5
19		105 43.9	N21 10.9
20		120 43.8	N21 11.3
21		135 43.7	N21 11.7
22		150 43.7	N21 12.2
23		165 43.6	N21 12.6
00	2023-05-27	180 43.5	N21 13.0
01		195 43.5	N21 13.4
02		210 43.4	N21 13.9
03		225 43.3	N21 14.3
04		240 43.3	N21 14.7
05		255 43.2	N21 15.1
06		270 43.1	N21 15.6
07		285 43.0	N21 16.0
08		300 43.0	N21 16.4
09		315 42.9	N21 16.8
10		330 42.8	N21 17.2
11		345 42.7	N21 17.7
12		0 42.7	N21 18.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
13		15 42.6	N21 18.5
14		30 42.5	N21 18.9
15		45 42.5	N21 19.3
16		60 42.4	N21 19.7
17		75 42.3	N21 20.1
18		90 42.2	N21 20.6
19		105 42.2	N21 21.0
20		120 42.1	N21 21.4
21		135 42.0	N21 21.8
22		150 41.9	N21 22.2
23		165 41.9	N21 22.6
00	2023-05-28	180 41.8	N21 23.0
01		195 41.7	N21 23.4
02		210 41.6	N21 23.9
03		225 41.6	N21 24.3
04		240 41.5	N21 24.7
05		255 41.4	N21 25.1
06		270 41.3	N21 25.5
07		285 41.3	N21 25.9
08		300 41.2	N21 26.3
09		315 41.1	N21 26.7
10		330 41.0	N21 27.1
11		345 40.9	N21 27.5
12		0 40.9	N21 27.9
13		15 40.8	N21 28.3
14		30 40.7	N21 28.7
15		45 40.6	N21 29.1
16		60 40.6	N21 29.5
17		75 40.5	N21 29.9
18		90 40.4	N21 30.3
19		105 40.3	N21 30.7
20		120 40.2	N21 31.1
21		135 40.2	N21 31.5
22		150 40.1	N21 31.9
23		165 40.0	N21 32.3
00	2023-05-29	180 39.9	N21 32.7
01		195 39.8	N21 33.1
02		210 39.8	N21 33.5
03		225 39.7	N21 33.9
04		240 39.6	N21 34.2
05		255 39.5	N21 34.6
06		270 39.4	N21 35.0
07		285 39.4	N21 35.4
08		300 39.3	N21 35.8
09		315 39.2	N21 36.2
10		330 39.1	N21 36.6
11		345 39.0	N21 37.0
12		0 39.0	N21 37.4
13		15 38.9	N21 37.7
14		30 38.8	N21 38.1
15		45 38.7	N21 38.5
16		60 38.6	N21 38.9
17		75 38.5	N21 39.3
18		90 38.5	N21 39.7
19		105 38.4	N21 40.0
20		120 38.3	N21 40.4
21		135 38.2	N21 40.8
22		150 38.1	N21 41.2
23		165 38.0	N21 41.6
00	2023-05-30	180 38.0	N21 41.9
01		195 37.9	N21 42.3
02		210 37.8	N21 42.7

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
03		225 37.7	N21 43.1
04		240 37.6	N21 43.5
05		255 37.5	N21 43.8
06		270 37.4	N21 44.2
07		285 37.4	N21 44.6
08		300 37.3	N21 45.0
09		315 37.2	N21 45.3
10		330 37.1	N21 45.7
11		345 37.0	N21 46.1
12		0 36.9	N21 46.4
13		15 36.8	N21 46.8
14		30 36.8	N21 47.2
15		45 36.7	N21 47.6
16		60 36.6	N21 47.9
17		75 36.5	N21 48.3
18		90 36.4	N21 48.7
19		105 36.3	N21 49.0
20		120 36.2	N21 49.4
21		135 36.1	N21 49.8
22		150 36.1	N21 50.1
23		165 36.0	N21 50.5
00	2023-05-31	180 35.9	N21 50.8
01		195 35.8	N21 51.2
02		210 35.7	N21 51.6
03		225 35.6	N21 51.9
04		240 35.5	N21 52.3
05		255 35.4	N21 52.6
06		270 35.3	N21 53.0
07		285 35.3	N21 53.4
08		300 35.2	N21 53.7
09		315 35.1	N21 54.1
10		330 35.0	N21 54.4
11		345 34.9	N21 54.8
12		0 34.8	N21 55.1
13		15 34.7	N21 55.5
14		30 34.6	N21 55.9
15		45 34.5	N21 56.2
16		60 34.4	N21 56.6
17		75 34.4	N21 56.9
18		90 34.3	N21 57.3
19		105 34.2	N21 57.6
20		120 34.1	N21 58.0
21		135 34.0	N21 58.3
22		150 33.9	N21 58.7
23		165 33.8	N21 59.0
00	2023-06-01	180 33.7	N21 59.4
01		195 33.6	N21 59.7
02		210 33.5	N22 00.0
03		225 33.4	N22 00.4
04		240 33.3	N22 00.7
05		255 33.2	N22 01.1
06		270 33.1	N22 01.4
07		285 33.1	N22 01.8
08		300 33.0	N22 02.1
09		315 32.9	N22 02.4
10		330 32.8	N22 02.8
11		345 32.7	N22 03.1
12		0 32.6	N22 03.5
13		15 32.5	N22 03.8
14		30 32.4	N22 04.1
15		45 32.3	N22 04.5
16		60 32.2	N22 04.8

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
17		75 32.1	N22 05.2
18		90 32.0	N22 05.5
19		105 31.9	N22 05.8
20		120 31.8	N22 06.2
21		135 31.7	N22 06.5
22		150 31.6	N22 06.8
23		165 31.5	N22 07.2
00	2023-06-02	180 31.4	N22 07.5
01		195 31.3	N22 07.8
02		210 31.2	N22 08.1
03		225 31.1	N22 08.5
04		240 31.0	N22 08.8
05		255 30.9	N22 09.1
06		270 30.9	N22 09.5
07		285 30.8	N22 09.8
08		300 30.7	N22 10.1
09		315 30.6	N22 10.4
10		330 30.5	N22 10.8
11		345 30.4	N22 11.1
12		0 30.3	N22 11.4
13		15 30.2	N22 11.7
14		30 30.1	N22 12.0
15		45 30.0	N22 12.4
16		60 29.9	N22 12.7
17		75 29.8	N22 13.0
18		90 29.7	N22 13.3
19		105 29.6	N22 13.6
20		120 29.5	N22 14.0
21		135 29.4	N22 14.3
22		150 29.3	N22 14.6
23		165 29.2	N22 14.9
00	2023-06-03	180 29.1	N22 15.2
01		195 29.0	N22 15.5
02		210 28.9	N22 15.9
03		225 28.8	N22 16.2
04		240 28.7	N22 16.5
05		255 28.6	N22 16.8
06		270 28.5	N22 17.1
07		285 28.4	N22 17.4
08		300 28.3	N22 17.7
09		315 28.2	N22 18.0
10		330 28.1	N22 18.3
11		345 28.0	N22 18.6
12		0 27.8	N22 19.0
13		15 27.7	N22 19.3
14		30 27.6	N22 19.6
15		45 27.5	N22 19.9
16		60 27.4	N22 20.2
17		75 27.3	N22 20.5
18		90 27.2	N22 20.8
19		105 27.1	N22 21.1
20		120 27.0	N22 21.4
21		135 26.9	N22 21.7
22		150 26.8	N22 22.0
23		165 26.7	N22 22.3
00	2023-06-04	180 26.6	N22 22.6
01		195 26.5	N22 22.9
02		210 26.4	N22 23.2
03		225 26.3	N22 23.5
04		240 26.2	N22 23.8
05		255 26.1	N22 24.1
06		270 26.0	N22 24.4

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
07		285 25.9	N22 24.7
08		300 25.8	N22 24.9
09		315 25.7	N22 25.2
10		330 25.6	N22 25.5
11		345 25.5	N22 25.8
12		0 25.3	N22 26.1
13		15 25.2	N22 26.4
14		30 25.1	N22 26.7
15		45 25.0	N22 27.0
16		60 24.9	N22 27.3
17		75 24.8	N22 27.6
18		90 24.7	N22 27.8
19		105 24.6	N22 28.1
20		120 24.5	N22 28.4
21		135 24.4	N22 28.7
22		150 24.3	N22 29.0
23		165 24.2	N22 29.3
00	2023-06-05	180 24.1	N22 29.5
01		195 24.0	N22 29.8
02		210 23.8	N22 30.1
03		225 23.7	N22 30.4
04		240 23.6	N22 30.7
05		255 23.5	N22 30.9
06		270 23.4	N22 31.2
07		285 23.3	N22 31.5
08		300 23.2	N22 31.8
09		315 23.1	N22 32.1
10		330 23.0	N22 32.3
11		345 22.9	N22 32.6
12		0 22.8	N22 32.9
13		15 22.6	N22 33.2
14		30 22.5	N22 33.4
15		45 22.4	N22 33.7
16		60 22.3	N22 34.0
17		75 22.2	N22 34.2
18		90 22.1	N22 34.5
19		105 22.0	N22 34.8
20		120 21.9	N22 35.0
21		135 21.8	N22 35.3
22		150 21.7	N22 35.6
23		165 21.5	N22 35.8
00	2023-06-06	180 21.4	N22 36.1
01		195 21.3	N22 36.4
02		210 21.2	N22 36.6
03		225 21.1	N22 36.9
04		240 21.0	N22 37.2
05		255 20.9	N22 37.4
06		270 20.8	N22 37.7
07		285 20.7	N22 38.0
08		300 20.5	N22 38.2
09		315 20.4	N22 38.5
10		330 20.3	N22 38.7
11		345 20.2	N22 39.0
12		0 20.1	N22 39.3
13		15 20.0	N22 39.5
14		30 19.9	N22 39.8
15		45 19.7	N22 40.0
16		60 19.6	N22 40.3
17		75 19.5	N22 40.5
18		90 19.4	N22 40.8
19		105 19.3	N22 41.0
20		120 19.2	N22 41.3

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
21		135 19.1	N22 41.5
22		150 19.0	N22 41.8
23		165 18.8	N22 42.0
00	2023-06-07	180 18.7	N22 42.3
01		195 18.6	N22 42.5
02		210 18.5	N22 42.8
03		225 18.4	N22 43.0
04		240 18.3	N22 43.3
05		255 18.1	N22 43.5
06		270 18.0	N22 43.8
07		285 17.9	N22 44.0
08		300 17.8	N22 44.3
09		315 17.7	N22 44.5
10		330 17.6	N22 44.7
11		345 17.5	N22 45.0
12		0 17.3	N22 45.2
13		15 17.2	N22 45.5
14		30 17.1	N22 45.7
15		45 17.0	N22 46.0
16		60 16.9	N22 46.2
17		75 16.8	N22 46.4
18		90 16.6	N22 46.7
19		105 16.5	N22 46.9
20		120 16.4	N22 47.1
21		135 16.3	N22 47.4
22		150 16.2	N22 47.6
23		165 16.1	N22 47.8
00	2023-06-08	180 15.9	N22 48.1
01		195 15.8	N22 48.3
02		210 15.7	N22 48.5
03		225 15.6	N22 48.8
04		240 15.5	N22 49.0
05		255 15.3	N22 49.2
06		270 15.2	N22 49.5
07		285 15.1	N22 49.7
08		300 15.0	N22 49.9
09		315 14.9	N22 50.1
10		330 14.8	N22 50.4
11		345 14.6	N22 50.6
12		0 14.5	N22 50.8
13		15 14.4	N22 51.0
14		30 14.3	N22 51.3
15		45 14.2	N22 51.5
16		60 14.0	N22 51.7
17		75 13.9	N22 51.9
18		90 13.8	N22 52.1
19		105 13.7	N22 52.4
20		120 13.6	N22 52.6
21		135 13.4	N22 52.8
22		150 13.3	N22 53.0
23		165 13.2	N22 53.2
00	2023-06-09	180 13.1	N22 53.5
01		195 13.0	N22 53.7
02		210 12.8	N22 53.9
03		225 12.7	N22 54.1
04		240 12.6	N22 54.3
05		255 12.5	N22 54.5
06		270 12.3	N22 54.7
07		285 12.2	N22 54.9
08		300 12.1	N22 55.2
09		315 12.0	N22 55.4
10		330 11.9	N22 55.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
11		345 11.7	N22 55.8
12		0 11.6	N22 56.0
13		15 11.5	N22 56.2
14		30 11.4	N22 56.4
15		45 11.2	N22 56.6
16		60 11.1	N22 56.8
17		75 11.0	N22 57.0
18		90 10.9	N22 57.2
19		105 10.8	N22 57.4
20		120 10.6	N22 57.6
21		135 10.5	N22 57.8
22		150 10.4	N22 58.0
23		165 10.3	N22 58.2
00	2023-06-10	180 10.1	N22 58.4
01		195 10.0	N22 58.6
02		210 09.9	N22 58.8
03		225 09.8	N22 59.0
04		240 09.6	N22 59.2
05		255 09.5	N22 59.4
06		270 09.4	N22 59.6
07		285 09.3	N22 59.8
08		300 09.2	N22 60.0
09		315 09.0	N23 00.2
10		330 08.9	N23 00.4
11		345 08.8	N23 00.6
12		0 08.7	N23 00.8
13		15 08.5	N23 01.0
14		30 08.4	N23 01.1
15		45 08.3	N23 01.3
16		60 08.2	N23 01.5
17		75 08.0	N23 01.7
18		90 07.9	N23 01.9
19		105 07.8	N23 02.1
20		120 07.7	N23 02.3
21		135 07.5	N23 02.5
22		150 07.4	N23 02.6
23		165 07.3	N23 02.8
00	2023-06-11	180 07.1	N23 03.0
01		195 07.0	N23 03.2
02		210 06.9	N23 03.4
03		225 06.8	N23 03.5
04		240 06.6	N23 03.7
05		255 06.5	N23 03.9
06		270 06.4	N23 04.1
07		285 06.3	N23 04.3
08		300 06.1	N23 04.4
09		315 06.0	N23 04.6
10		330 05.9	N23 04.8
11		345 05.8	N23 05.0
12		0 05.6	N23 05.1
13		15 05.5	N23 05.3
14		30 05.4	N23 05.5
15		45 05.2	N23 05.7
16		60 05.1	N23 05.8
17		75 05.0	N23 06.0
18		90 04.9	N23 06.2
19		105 04.7	N23 06.3
20		120 04.6	N23 06.5
21		135 04.5	N23 06.7
22		150 04.4	N23 06.8
23		165 04.2	N23 07.0
00	2023-06-12	180 04.1	N23 07.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
01		195 04.0	N23 07.3
02		210 03.8	N23 07.5
03		225 03.7	N23 07.7
04		240 03.6	N23 07.8
05		255 03.5	N23 08.0
06		270 03.3	N23 08.2
07		285 03.2	N23 08.3
08		300 03.1	N23 08.5
09		315 02.9	N23 08.6
10		330 02.8	N23 08.8
11		345 02.7	N23 08.9
12		0 02.5	N23 09.1
13		15 02.4	N23 09.3
14		30 02.3	N23 09.4
15		45 02.2	N23 09.6
16		60 02.0	N23 09.7
17		75 01.9	N23 09.9
18		90 01.8	N23 10.0
19		105 01.6	N23 10.2
20		120 01.5	N23 10.3
21		135 01.4	N23 10.5
22		150 01.2	N23 10.6
23		165 01.1	N23 10.8
00	2023-06-13	180 01.0	N23 10.9
01		195 00.9	N23 11.1
02		210 00.7	N23 11.2
03		225 00.6	N23 11.4
04		240 00.5	N23 11.5
05		255 00.3	N23 11.7
06		270 00.2	N23 11.8
07		285 00.1	N23 12.0
08		299 59.9	N23 12.1
09		314 59.8	N23 12.2
10		329 59.7	N23 12.4
11		344 59.5	N23 12.5
12		359 59.4	N23 12.7
13		14 59.3	N23 12.8
14		29 59.2	N23 12.9
15		44 59.0	N23 13.1
16		59 58.9	N23 13.2
17		74 58.8	N23 13.4
18		89 58.6	N23 13.5
19		104 58.5	N23 13.6
20		119 58.4	N23 13.8
21		134 58.2	N23 13.9
22		149 58.1	N23 14.0
23		164 58.0	N23 14.2
00	2023-06-14	179 57.8	N23 14.3
01		194 57.7	N23 14.4
02		209 57.6	N23 14.5
03		224 57.4	N23 14.7
04		239 57.3	N23 14.8
05		254 57.2	N23 14.9
06		269 57.0	N23 15.1
07		284 56.9	N23 15.2
08		299 56.8	N23 15.3
09		314 56.6	N23 15.4
10		329 56.5	N23 15.6
11		344 56.4	N23 15.7
12		359 56.2	N23 15.8
13		14 56.1	N23 15.9
14		29 56.0	N23 16.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
15		44 55.8	N23 16.2
16		59 55.7	N23 16.3
17		74 55.6	N23 16.4
18		89 55.4	N23 16.5
19		104 55.3	N23 16.7
20		119 55.2	N23 16.8
21		134 55.0	N23 16.9
22		149 54.9	N23 17.0
23		164 54.8	N23 17.1
00	2023-06-15	179 54.6	N23 17.2
01		194 54.5	N23 17.3
02		209 54.4	N23 17.5
03		224 54.2	N23 17.6
04		239 54.1	N23 17.7
05		254 54.0	N23 17.8
06		269 53.8	N23 17.9
07		284 53.7	N23 18.0
08		299 53.6	N23 18.1
09		314 53.4	N23 18.2
10		329 53.3	N23 18.3
11		344 53.2	N23 18.4
12		359 53.0	N23 18.5
13		14 52.9	N23 18.7
14		29 52.8	N23 18.8
15		44 52.6	N23 18.9
16		59 52.5	N23 19.0
17		74 52.4	N23 19.1
18		89 52.2	N23 19.2
19		104 52.1	N23 19.3
20		119 52.0	N23 19.4
21		134 51.8	N23 19.5
22		149 51.7	N23 19.6
23		164 51.5	N23 19.7
00	2023-06-16	179 51.4	N23 19.8
01		194 51.3	N23 19.9
02		209 51.1	N23 20.0
03		224 51.0	N23 20.0
04		239 50.9	N23 20.1
05		254 50.7	N23 20.2
06		269 50.6	N23 20.3
07		284 50.5	N23 20.4
08		299 50.3	N23 20.5
09		314 50.2	N23 20.6
10		329 50.1	N23 20.7
11		344 49.9	N23 20.8
12		359 49.8	N23 20.9
13		14 49.7	N23 21.0
14		29 49.5	N23 21.0
15		44 49.4	N23 21.1
16		59 49.2	N23 21.2
17		74 49.1	N23 21.3
18		89 49.0	N23 21.4
19		104 48.8	N23 21.5
20		119 48.7	N23 21.6
21		134 48.6	N23 21.6
22		149 48.4	N23 21.7
23		164 48.3	N23 21.8
00	2023-06-17	179 48.2	N23 21.9
01		194 48.0	N23 22.0
02		209 47.9	N23 22.0
03		224 47.8	N23 22.1
04		239 47.6	N23 22.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
05		254 47.5	N23 22.3
06		269 47.3	N23 22.3
07		284 47.2	N23 22.4
08		299 47.1	N23 22.5
09		314 46.9	N23 22.6
10		329 46.8	N23 22.6
11		344 46.7	N23 22.7
12		359 46.5	N23 22.8
13		14 46.4	N23 22.9
14		29 46.3	N23 22.9
15		44 46.1	N23 23.0
16		59 46.0	N23 23.1
17		74 45.8	N23 23.1
18		89 45.7	N23 23.2
19		104 45.6	N23 23.3
20		119 45.4	N23 23.3
21		134 45.3	N23 23.4
22		149 45.2	N23 23.5
23		164 45.0	N23 23.5
00	2023-06-18	179 44.9	N23 23.6
01		194 44.7	N23 23.6
02		209 44.6	N23 23.7
03		224 44.5	N23 23.8
04		239 44.3	N23 23.8
05		254 44.2	N23 23.9
06		269 44.1	N23 23.9
07		284 43.9	N23 24.0
08		299 43.8	N23 24.1
09		314 43.7	N23 24.1
10		329 43.5	N23 24.2
11		344 43.4	N23 24.2
12		359 43.2	N23 24.3
13		14 43.1	N23 24.3
14		29 43.0	N23 24.4
15		44 42.8	N23 24.4
16		59 42.7	N23 24.5
17		74 42.6	N23 24.5
18		89 42.4	N23 24.6
19		104 42.3	N23 24.6
20		119 42.1	N23 24.7
21		134 42.0	N23 24.7
22		149 41.9	N23 24.8
23		164 41.7	N23 24.8
00	2023-06-19	179 41.6	N23 24.9
01		194 41.5	N23 24.9
02		209 41.3	N23 25.0
03		224 41.2	N23 25.0
04		239 41.0	N23 25.1
05		254 40.9	N23 25.1
06		269 40.8	N23 25.1
07		284 40.6	N23 25.2
08		299 40.5	N23 25.2
09		314 40.4	N23 25.3
10		329 40.2	N23 25.3
11		344 40.1	N23 25.3
12		359 39.9	N23 25.4
13		14 39.8	N23 25.4
14		29 39.7	N23 25.4
15		44 39.5	N23 25.5
16		59 39.4	N23 25.5
17		74 39.3	N23 25.5
18		89 39.1	N23 25.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
19		104 39.0	N23 25.6
20		119 38.9	N23 25.6
21		134 38.7	N23 25.7
22		149 38.6	N23 25.7
23		164 38.4	N23 25.7
00	2023-06-20	179 38.3	N23 25.8
01		194 38.2	N23 25.8
02		209 38.0	N23 25.8
03		224 37.9	N23 25.8
04		239 37.8	N23 25.9
05		254 37.6	N23 25.9
06		269 37.5	N23 25.9
07		284 37.3	N23 25.9
08		299 37.2	N23 26.0
09		314 37.1	N23 26.0
10		329 36.9	N23 26.0
11		344 36.8	N23 26.0
12		359 36.7	N23 26.0
13		14 36.5	N23 26.1
14		29 36.4	N23 26.1
15		44 36.2	N23 26.1
16		59 36.1	N23 26.1
17		74 36.0	N23 26.1
18		89 35.8	N23 26.1
19		104 35.7	N23 26.2
20		119 35.6	N23 26.2
21		134 35.4	N23 26.2
22		149 35.3	N23 26.2
23		164 35.1	N23 26.2
00	2023-06-21	179 35.0	N23 26.2
01		194 34.9	N23 26.2
02		209 34.7	N23 26.2
03		224 34.6	N23 26.3
04		239 34.5	N23 26.3
05		254 34.3	N23 26.3
06		269 34.2	N23 26.3
07		284 34.0	N23 26.3
08		299 33.9	N23 26.3
09		314 33.8	N23 26.3
10		329 33.6	N23 26.3
11		344 33.5	N23 26.3
12		359 33.4	N23 26.3
13		14 33.2	N23 26.3
14		29 33.1	N23 26.3
15		44 33.0	N23 26.3
16		59 32.8	N23 26.3
17		74 32.7	N23 26.3
18		89 32.5	N23 26.3
19		104 32.4	N23 26.3
20		119 32.3	N23 26.3
21		134 32.1	N23 26.3
22		149 32.0	N23 26.3
23		164 31.9	N23 26.3
00	2023-06-22	179 31.7	N23 26.3
01		194 31.6	N23 26.3
02		209 31.4	N23 26.3
03		224 31.3	N23 26.3
04		239 31.2	N23 26.2
05		254 31.0	N23 26.2
06		269 30.9	N23 26.2
07		284 30.8	N23 26.2
08		299 30.6	N23 26.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
09		314 30.5	N23 26.2
10		329 30.4	N23 26.2
11		344 30.2	N23 26.2
12		359 30.1	N23 26.1
13		14 29.9	N23 26.1
14		29 29.8	N23 26.1
15		44 29.7	N23 26.1
16		59 29.5	N23 26.1
17		74 29.4	N23 26.1
18		89 29.3	N23 26.0
19		104 29.1	N23 26.0
20		119 29.0	N23 26.0
21		134 28.9	N23 26.0
22		149 28.7	N23 26.0
23		164 28.6	N23 25.9
00	2023-06-23	179 28.4	N23 25.9
01		194 28.3	N23 25.9
02		209 28.2	N23 25.9
03		224 28.0	N23 25.8
04		239 27.9	N23 25.8
05		254 27.8	N23 25.8
06		269 27.6	N23 25.8
07		284 27.5	N23 25.7
08		299 27.4	N23 25.7
09		314 27.2	N23 25.7
10		329 27.1	N23 25.6
11		344 27.0	N23 25.6
12		359 26.8	N23 25.6
13		14 26.7	N23 25.5
14		29 26.5	N23 25.5
15		44 26.4	N23 25.5
16		59 26.3	N23 25.4
17		74 26.1	N23 25.4
18		89 26.0	N23 25.4
19		104 25.9	N23 25.3
20		119 25.7	N23 25.3
21		134 25.6	N23 25.3
22		149 25.5	N23 25.2
23		164 25.3	N23 25.2
00	2023-06-24	179 25.2	N23 25.1
01		194 25.1	N23 25.1
02		209 24.9	N23 25.1
03		224 24.8	N23 25.0
04		239 24.7	N23 25.0
05		254 24.5	N23 24.9
06		269 24.4	N23 24.9
07		284 24.2	N23 24.8
08		299 24.1	N23 24.8
09		314 24.0	N23 24.7
10		329 23.8	N23 24.7
11		344 23.7	N23 24.6
12		359 23.6	N23 24.6
13		14 23.4	N23 24.5
14		29 23.3	N23 24.5
15		44 23.2	N23 24.4
16		59 23.0	N23 24.4
17		74 22.9	N23 24.3
18		89 22.8	N23 24.3
19		104 22.6	N23 24.2
20		119 22.5	N23 24.2
21		134 22.4	N23 24.1
22		149 22.2	N23 24.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
23		164 22.1	N23 24.0
00	2023-06-25	179 22.0	N23 24.0
01		194 21.8	N23 23.9
02		209 21.7	N23 23.8
03		224 21.6	N23 23.8
04		239 21.4	N23 23.7
05		254 21.3	N23 23.7
06		269 21.2	N23 23.6
07		284 21.0	N23 23.5
08		299 20.9	N23 23.5
09		314 20.8	N23 23.4
10		329 20.6	N23 23.3
11		344 20.5	N23 23.3
12		359 20.4	N23 23.2
13		14 20.2	N23 23.1
14		29 20.1	N23 23.1
15		44 20.0	N23 23.0
16		59 19.8	N23 22.9
17		74 19.7	N23 22.9
18		89 19.6	N23 22.8
19		104 19.4	N23 22.7
20		119 19.3	N23 22.6
21		134 19.2	N23 22.6
22		149 19.0	N23 22.5
23		164 18.9	N23 22.4
00	2023-06-26	179 18.8	N23 22.3
01		194 18.6	N23 22.3
02		209 18.5	N23 22.2
03		224 18.4	N23 22.1
04		239 18.2	N23 22.0
05		254 18.1	N23 22.0
06		269 18.0	N23 21.9
07		284 17.8	N23 21.8
08		299 17.7	N23 21.7
09		314 17.6	N23 21.6
10		329 17.5	N23 21.6
11		344 17.3	N23 21.5
12		359 17.2	N23 21.4
13		14 17.1	N23 21.3
14		29 16.9	N23 21.2
15		44 16.8	N23 21.1
16		59 16.7	N23 21.1
17		74 16.5	N23 21.0
18		89 16.4	N23 20.9
19		104 16.3	N23 20.8
20		119 16.1	N23 20.7
21		134 16.0	N23 20.6
22		149 15.9	N23 20.5
23		164 15.7	N23 20.4
00	2023-06-27	179 15.6	N23 20.3
01		194 15.5	N23 20.2
02		209 15.4	N23 20.2
03		224 15.2	N23 20.1
04		239 15.1	N23 20.0
05		254 15.0	N23 19.9
06		269 14.8	N23 19.8
07		284 14.7	N23 19.7
08		299 14.6	N23 19.6
09		314 14.4	N23 19.5
10		329 14.3	N23 19.4
11		344 14.2	N23 19.3
12		359 14.1	N23 19.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
13		14 13.9	N23 19.1
14		29 13.8	N23 19.0
15		44 13.7	N23 18.9
16		59 13.5	N23 18.8
17		74 13.4	N23 18.7
18		89 13.3	N23 18.6
19		104 13.1	N23 18.5
20		119 13.0	N23 18.3
21		134 12.9	N23 18.2
22		149 12.8	N23 18.1
23		164 12.6	N23 18.0
00	2023-06-28	179 12.5	N23 17.9
01		194 12.4	N23 17.8
02		209 12.2	N23 17.7
03		224 12.1	N23 17.6
04		239 12.0	N23 17.5
05		254 11.9	N23 17.4
06		269 11.7	N23 17.2
07		284 11.6	N23 17.1
08		299 11.5	N23 17.0
09		314 11.4	N23 16.9
10		329 11.2	N23 16.8
11		344 11.1	N23 16.7
12		359 11.0	N23 16.5
13		14 10.8	N23 16.4
14		29 10.7	N23 16.3
15		44 10.6	N23 16.2
16		59 10.5	N23 16.1
17		74 10.3	N23 15.9
18		89 10.2	N23 15.8
19		104 10.1	N23 15.7
20		119 10.0	N23 15.6
21		134 09.8	N23 15.5
22		149 09.7	N23 15.3
23		164 09.6	N23 15.2
00	2023-06-29	179 09.4	N23 15.1
01		194 09.3	N23 15.0
02		209 09.2	N23 14.8
03		224 09.1	N23 14.7
04		239 08.9	N23 14.6
05		254 08.8	N23 14.4
06		269 08.7	N23 14.3
07		284 08.6	N23 14.2
08		299 08.4	N23 14.0
09		314 08.3	N23 13.9
10		329 08.2	N23 13.8
11		344 08.1	N23 13.6
12		359 07.9	N23 13.5
13		14 07.8	N23 13.4
14		29 07.7	N23 13.2
15		44 07.6	N23 13.1
16		59 07.4	N23 13.0
17		74 07.3	N23 12.8
18		89 07.2	N23 12.7
19		104 07.1	N23 12.5
20		119 06.9	N23 12.4
21		134 06.8	N23 12.3
22		149 06.7	N23 12.1
23		164 06.6	N23 12.0
00	2023-06-30	179 06.4	N23 11.8
01		194 06.3	N23 11.7
02		209 06.2	N23 11.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
03		224 06.1	N23 11.4
04		239 05.9	N23 11.3
05		254 05.8	N23 11.1
06		269 05.7	N23 11.0
07		284 05.6	N23 10.8
08		299 05.5	N23 10.7
09		314 05.3	N23 10.5
10		329 05.2	N23 10.4
11		344 05.1	N23 10.2
12		359 05.0	N23 10.1
13		14 04.8	N23 09.9
14		29 04.7	N23 09.8
15		44 04.6	N23 09.6
16		59 04.5	N23 09.5
17		74 04.3	N23 09.3
18		89 04.2	N23 09.1
19		104 04.1	N23 09.0
20		119 04.0	N23 08.8
21		134 03.9	N23 08.7
22		149 03.7	N23 08.5
23		164 03.6	N23 08.4
00	2023-07-01	179 03.5	N23 08.2
01		194 03.4	N23 08.0
02		209 03.3	N23 07.9
03		224 03.1	N23 07.7
04		239 03.0	N23 07.5
05		254 02.9	N23 07.4
06		269 02.8	N23 07.2
07		284 02.6	N23 07.1
08		299 02.5	N23 06.9
09		314 02.4	N23 06.7
10		329 02.3	N23 06.6
11		344 02.2	N23 06.4
12		359 02.0	N23 06.2
13		14 01.9	N23 06.1
14		29 01.8	N23 05.9
15		44 01.7	N23 05.7
16		59 01.6	N23 05.5
17		74 01.5	N23 05.4
18		89 01.3	N23 05.2
19		104 01.2	N23 05.0
20		119 01.1	N23 04.8
21		134 01.0	N23 04.7
22		149 00.9	N23 04.5
23		164 00.7	N23 04.3
00	2023-07-02	179 00.6	N23 04.1
01		194 00.5	N23 04.0
02		209 00.4	N23 03.8
03		224 00.3	N23 03.6
04		239 00.1	N23 03.4
05		254 00.0	N23 03.3
06		268 59.9	N23 03.1
07		283 59.8	N23 02.9
08		298 59.7	N23 02.7
09		313 59.6	N23 02.5
10		328 59.4	N23 02.3
11		343 59.3	N23 02.2
12		358 59.2	N23 02.0
13		13 59.1	N23 01.8
14		28 59.0	N23 01.6
15		43 58.9	N23 01.4
16		58 58.7	N23 01.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
17		73 58.6	N23 01.0
18		88 58.5	N23 00.8
19		103 58.4	N23 00.7
20		118 58.3	N23 00.5
21		133 58.2	N23 00.3
22		148 58.0	N23 00.1
23		163 57.9	N22 59.9
00	2023-07-03	178 57.8	N22 59.7
01		193 57.7	N22 59.5
02		208 57.6	N22 59.3
03		223 57.5	N22 59.1
04		238 57.3	N22 58.9
05		253 57.2	N22 58.7
06		268 57.1	N22 58.5
07		283 57.0	N22 58.3
08		298 56.9	N22 58.1
09		313 56.8	N22 57.9
10		328 56.7	N22 57.7
11		343 56.5	N22 57.5
12		358 56.4	N22 57.3
13		13 56.3	N22 57.1
14		28 56.2	N22 56.9
15		43 56.1	N22 56.7
16		58 56.0	N22 56.5
17		73 55.9	N22 56.3
18		88 55.7	N22 56.1
19		103 55.6	N22 55.9
20		118 55.5	N22 55.7
21		133 55.4	N22 55.5
22		148 55.3	N22 55.3
23		163 55.2	N22 55.1
00	2023-07-04	178 55.1	N22 54.8
01		193 55.0	N22 54.6
02		208 54.8	N22 54.4
03		223 54.7	N22 54.2
04		238 54.6	N22 54.0
05		253 54.5	N22 53.8
06		268 54.4	N22 53.6
07		283 54.3	N22 53.4
08		298 54.2	N22 53.1
09		313 54.1	N22 52.9
10		328 54.0	N22 52.7
11		343 53.8	N22 52.5
12		358 53.7	N22 52.3
13		13 53.6	N22 52.0
14		28 53.5	N22 51.8
15		43 53.4	N22 51.6
16		58 53.3	N22 51.4
17		73 53.2	N22 51.2
18		88 53.1	N22 50.9
19		103 53.0	N22 50.7
20		118 52.9	N22 50.5
21		133 52.7	N22 50.3
22		148 52.6	N22 50.0
23		163 52.5	N22 49.8
00	2023-07-05	178 52.4	N22 49.6
01		193 52.3	N22 49.4
02		208 52.2	N22 49.1
03		223 52.1	N22 48.9
04		238 52.0	N22 48.7
05		253 51.9	N22 48.4
06		268 51.8	N22 48.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
07		283 51.7	N22 48.0
08		298 51.5	N22 47.8
09		313 51.4	N22 47.5
10		328 51.3	N22 47.3
11		343 51.2	N22 47.1
12		358 51.1	N22 46.8
13		13 51.0	N22 46.6
14		28 50.9	N22 46.3
15		43 50.8	N22 46.1
16		58 50.7	N22 45.9
17		73 50.6	N22 45.6
18		88 50.5	N22 45.4
19		103 50.4	N22 45.2
20		118 50.3	N22 44.9
21		133 50.2	N22 44.7
22		148 50.0	N22 44.4
23		163 49.9	N22 44.2
00	2023-07-06	178 49.8	N22 43.9
01		193 49.7	N22 43.7
02		208 49.6	N22 43.5
03		223 49.5	N22 43.2
04		238 49.4	N22 43.0
05		253 49.3	N22 42.7
06		268 49.2	N22 42.5
07		283 49.1	N22 42.2
08		298 49.0	N22 42.0
09		313 48.9	N22 41.7
10		328 48.8	N22 41.5
11		343 48.7	N22 41.2
12		358 48.6	N22 41.0
13		13 48.5	N22 40.7
14		28 48.4	N22 40.5
15		43 48.3	N22 40.2
16		58 48.2	N22 40.0
17		73 48.1	N22 39.7
18		88 48.0	N22 39.5
19		103 47.9	N22 39.2
20		118 47.8	N22 38.9
21		133 47.6	N22 38.7
22		148 47.5	N22 38.4
23		163 47.4	N22 38.2
00	2023-07-07	178 47.3	N22 37.9
01		193 47.2	N22 37.6
02		208 47.1	N22 37.4
03		223 47.0	N22 37.1
04		238 46.9	N22 36.9
05		253 46.8	N22 36.6
06		268 46.7	N22 36.3
07		283 46.6	N22 36.1
08		298 46.5	N22 35.8
09		313 46.4	N22 35.5
10		328 46.3	N22 35.3
11		343 46.2	N22 35.0
12		358 46.1	N22 34.7
13		13 46.0	N22 34.5
14		28 45.9	N22 34.2
15		43 45.8	N22 33.9
16		58 45.7	N22 33.7
17		73 45.6	N22 33.4
18		88 45.5	N22 33.1
19		103 45.4	N22 32.8
20		118 45.3	N22 32.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
21		133 45.2	N22 32.3
22		148 45.1	N22 32.0
23		163 45.0	N22 31.8
00	2023-07-08	178 44.9	N22 31.5
01		193 44.8	N22 31.2
02		208 44.7	N22 30.9
03		223 44.6	N22 30.6
04		238 44.5	N22 30.4
05		253 44.4	N22 30.1
06		268 44.3	N22 29.8
07		283 44.3	N22 29.5
08		298 44.2	N22 29.2
09		313 44.1	N22 29.0
10		328 44.0	N22 28.7
11		343 43.9	N22 28.4
12		358 43.8	N22 28.1
13		13 43.7	N22 27.8
14		28 43.6	N22 27.5
15		43 43.5	N22 27.3
16		58 43.4	N22 27.0
17		73 43.3	N22 26.7
18		88 43.2	N22 26.4
19		103 43.1	N22 26.1
20		118 43.0	N22 25.8
21		133 42.9	N22 25.5
22		148 42.8	N22 25.2
23		163 42.7	N22 24.9
00	2023-07-09	178 42.6	N22 24.7
01		193 42.5	N22 24.4
02		208 42.4	N22 24.1
03		223 42.3	N22 23.8
04		238 42.2	N22 23.5
05		253 42.2	N22 23.2
06		268 42.1	N22 22.9
07		283 42.0	N22 22.6
08		298 41.9	N22 22.3
09		313 41.8	N22 22.0
10		328 41.7	N22 21.7
11		343 41.6	N22 21.4
12		358 41.5	N22 21.1
13		13 41.4	N22 20.8
14		28 41.3	N22 20.5
15		43 41.2	N22 20.2
16		58 41.1	N22 19.9
17		73 41.0	N22 19.6
18		88 40.9	N22 19.3
19		103 40.9	N22 19.0
20		118 40.8	N22 18.7
21		133 40.7	N22 18.4
22		148 40.6	N22 18.1
23		163 40.5	N22 17.8
00	2023-07-10	178 40.4	N22 17.4
01		193 40.3	N22 17.1
02		208 40.2	N22 16.8
03		223 40.1	N22 16.5
04		238 40.0	N22 16.2
05		253 40.0	N22 15.9
06		268 39.9	N22 15.6
07		283 39.8	N22 15.3
08		298 39.7	N22 15.0
09		313 39.6	N22 14.6
10		328 39.5	N22 14.3

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
11		343 39.4	N22 14.0
12		358 39.3	N22 13.7
13		13 39.2	N22 13.4
14		28 39.2	N22 13.1
15		43 39.1	N22 12.7
16		58 39.0	N22 12.4
17		73 38.9	N22 12.1
18		88 38.8	N22 11.8
19		103 38.7	N22 11.5
20		118 38.6	N22 11.1
21		133 38.5	N22 10.8
22		148 38.5	N22 10.5
23		163 38.4	N22 10.2
00	2023-07-11	178 38.3	N22 09.9
01		193 38.2	N22 09.5
02		208 38.1	N22 09.2
03		223 38.0	N22 08.9
04		238 37.9	N22 08.5
05		253 37.9	N22 08.2
06		268 37.8	N22 07.9
07		283 37.7	N22 07.6
08		298 37.6	N22 07.2
09		313 37.5	N22 06.9
10		328 37.4	N22 06.6
11		343 37.4	N22 06.2
12		358 37.3	N22 05.9
13		13 37.2	N22 05.6
14		28 37.1	N22 05.2
15		43 37.0	N22 04.9
16		58 36.9	N22 04.6
17		73 36.9	N22 04.2
18		88 36.8	N22 03.9
19		103 36.7	N22 03.6
20		118 36.6	N22 03.2
21		133 36.5	N22 02.9
22		148 36.4	N22 02.6
23		163 36.4	N22 02.2
00	2023-07-12	178 36.3	N22 01.9
01		193 36.2	N22 01.5
02		208 36.1	N22 01.2
03		223 36.0	N22 00.9
04		238 36.0	N22 00.5
05		253 35.9	N22 00.2
06		268 35.8	N21 59.8
07		283 35.7	N21 59.5
08		298 35.6	N21 59.1
09		313 35.5	N21 58.8
10		328 35.5	N21 58.4
11		343 35.4	N21 58.1
12		358 35.3	N21 57.7
13		13 35.2	N21 57.4
14		28 35.2	N21 57.0
15		43 35.1	N21 56.7
16		58 35.0	N21 56.3
17		73 34.9	N21 56.0
18		88 34.8	N21 55.6
19		103 34.8	N21 55.3
20		118 34.7	N21 54.9
21		133 34.6	N21 54.6
22		148 34.5	N21 54.2
23		163 34.4	N21 53.9
00	2023-07-13	178 34.4	N21 53.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
01		193 34.3	N21 53.2
02		208 34.2	N21 52.8
03		223 34.1	N21 52.5
04		238 34.1	N21 52.1
05		253 34.0	N21 51.7
06		268 33.9	N21 51.4
07		283 33.8	N21 51.0
08		298 33.8	N21 50.7
09		313 33.7	N21 50.3
10		328 33.6	N21 49.9
11		343 33.5	N21 49.6
12		358 33.5	N21 49.2
13		13 33.4	N21 48.8
14		28 33.3	N21 48.5
15		43 33.2	N21 48.1
16		58 33.2	N21 47.7
17		73 33.1	N21 47.4
18		88 33.0	N21 47.0
19		103 32.9	N21 46.6
20		118 32.9	N21 46.3
21		133 32.8	N21 45.9
22		148 32.7	N21 45.5
23		163 32.7	N21 45.2
00	2023-07-14	178 32.6	N21 44.8
01		193 32.5	N21 44.4
02		208 32.4	N21 44.0
03		223 32.4	N21 43.7
04		238 32.3	N21 43.3
05		253 32.2	N21 42.9
06		268 32.2	N21 42.5
07		283 32.1	N21 42.2
08		298 32.0	N21 41.8
09		313 31.9	N21 41.4
10		328 31.9	N21 41.0
11		343 31.8	N21 40.7
12		358 31.7	N21 40.3
13		13 31.7	N21 39.9
14		28 31.6	N21 39.5
15		43 31.5	N21 39.1
16		58 31.5	N21 38.8
17		73 31.4	N21 38.4
18		88 31.3	N21 38.0
19		103 31.2	N21 37.6
20		118 31.2	N21 37.2
21		133 31.1	N21 36.8
22		148 31.0	N21 36.5
23		163 31.0	N21 36.1
00	2023-07-15	178 30.9	N21 35.7
01		193 30.8	N21 35.3
02		208 30.8	N21 34.9
03		223 30.7	N21 34.5
04		238 30.6	N21 34.1
05		253 30.6	N21 33.7
06		268 30.5	N21 33.4
07		283 30.4	N21 33.0
08		298 30.4	N21 32.6
09		313 30.3	N21 32.2
10		328 30.2	N21 31.8
11		343 30.2	N21 31.4
12		358 30.1	N21 31.0
13		13 30.1	N21 30.6
14		28 30.0	N21 30.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
15		43 29.9	N21 29.8
16		58 29.9	N21 29.4
17		73 29.8	N21 29.0
18		88 29.7	N21 28.6
19		103 29.7	N21 28.2
20		118 29.6	N21 27.8
21		133 29.5	N21 27.4
22		148 29.5	N21 27.0
23		163 29.4	N21 26.6
00	2023-07-16	178 29.4	N21 26.2
01		193 29.3	N21 25.8
02		208 29.2	N21 25.4
03		223 29.2	N21 25.0
04		238 29.1	N21 24.6
05		253 29.1	N21 24.2
06		268 29.0	N21 23.8
07		283 28.9	N21 23.4
08		298 28.9	N21 23.0
09		313 28.8	N21 22.6
10		328 28.8	N21 22.2
11		343 28.7	N21 21.8
12		358 28.6	N21 21.3
13		13 28.6	N21 20.9
14		28 28.5	N21 20.5
15		43 28.5	N21 20.1
16		58 28.4	N21 19.7
17		73 28.3	N21 19.3
18		88 28.3	N21 18.9
19		103 28.2	N21 18.5
20		118 28.2	N21 18.0
21		133 28.1	N21 17.6
22		148 28.1	N21 17.2
23		163 28.0	N21 16.8
00	2023-07-17	178 27.9	N21 16.4
01		193 27.9	N21 16.0
02		208 27.8	N21 15.5
03		223 27.8	N21 15.1
04		238 27.7	N21 14.7
05		253 27.7	N21 14.3
06		268 27.6	N21 13.9
07		283 27.5	N21 13.4
08		298 27.5	N21 13.0
09		313 27.4	N21 12.6
10		328 27.4	N21 12.2
11		343 27.3	N21 11.8
12		358 27.3	N21 11.3
13		13 27.2	N21 10.9
14		28 27.2	N21 10.5
15		43 27.1	N21 10.0
16		58 27.1	N21 09.6
17		73 27.0	N21 09.2
18		88 27.0	N21 08.8
19		103 26.9	N21 08.3
20		118 26.9	N21 07.9
21		133 26.8	N21 07.5
22		148 26.7	N21 07.0
23		163 26.7	N21 06.6
00	2023-07-18	178 26.6	N21 06.2
01		193 26.6	N21 05.8
02		208 26.5	N21 05.3
03		223 26.5	N21 04.9
04		238 26.4	N21 04.4

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
05		253 26.4	N21 04.0
06		268 26.3	N21 03.6
07		283 26.3	N21 03.1
08		298 26.2	N21 02.7
09		313 26.2	N21 02.3
10		328 26.1	N21 01.8
11		343 26.1	N21 01.4
12		358 26.0	N21 00.9
13		13 26.0	N21 00.5
14		28 26.0	N21 00.1
15		43 25.9	N20 59.6
16		58 25.9	N20 59.2
17		73 25.8	N20 58.7
18		88 25.8	N20 58.3
19		103 25.7	N20 57.9
20		118 25.7	N20 57.4
21		133 25.6	N20 57.0
22		148 25.6	N20 56.5
23		163 25.5	N20 56.1
00	2023-07-19	178 25.5	N20 55.6
01		193 25.4	N20 55.2
02		208 25.4	N20 54.7
03		223 25.4	N20 54.3
04		238 25.3	N20 53.8
05		253 25.3	N20 53.4
06		268 25.2	N20 52.9
07		283 25.2	N20 52.5
08		298 25.1	N20 52.0
09		313 25.1	N20 51.6
10		328 25.0	N20 51.1
11		343 25.0	N20 50.7
12		358 25.0	N20 50.2
13		13 24.9	N20 49.8
14		28 24.9	N20 49.3
15		43 24.8	N20 48.9
16		58 24.8	N20 48.4
17		73 24.7	N20 47.9
18		88 24.7	N20 47.5
19		103 24.7	N20 47.0
20		118 24.6	N20 46.6
21		133 24.6	N20 46.1
22		148 24.5	N20 45.6
23		163 24.5	N20 45.2
00	2023-07-20	178 24.5	N20 44.7
01		193 24.4	N20 44.3
02		208 24.4	N20 43.8
03		223 24.3	N20 43.3
04		238 24.3	N20 42.9
05		253 24.3	N20 42.4
06		268 24.2	N20 41.9
07		283 24.2	N20 41.5
08		298 24.2	N20 41.0
09		313 24.1	N20 40.5
10		328 24.1	N20 40.1
11		343 24.0	N20 39.6
12		358 24.0	N20 39.1
13		13 24.0	N20 38.7
14		28 23.9	N20 38.2
15		43 23.9	N20 37.7
16		58 23.9	N20 37.3
17		73 23.8	N20 36.8
18		88 23.8	N20 36.3

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
19		103 23.8	N20 35.8
20		118 23.7	N20 35.4
21		133 23.7	N20 34.9
22		148 23.7	N20 34.4
23		163 23.6	N20 33.9
00	2023-07-21	178 23.6	N20 33.5
01		193 23.6	N20 33.0
02		208 23.5	N20 32.5
03		223 23.5	N20 32.0
04		238 23.5	N20 31.6
05		253 23.4	N20 31.1
06		268 23.4	N20 30.6
07		283 23.4	N20 30.1
08		298 23.3	N20 29.6
09		313 23.3	N20 29.2
10		328 23.3	N20 28.7
11		343 23.2	N20 28.2
12		358 23.2	N20 27.7
13		13 23.2	N20 27.2
14		28 23.1	N20 26.7
15		43 23.1	N20 26.3
16		58 23.1	N20 25.8
17		73 23.0	N20 25.3
18		88 23.0	N20 24.8
19		103 23.0	N20 24.3
20		118 23.0	N20 23.8
21		133 22.9	N20 23.3
22		148 22.9	N20 22.8
23		163 22.9	N20 22.3
00	2023-07-22	178 22.8	N20 21.9
01		193 22.8	N20 21.4
02		208 22.8	N20 20.9
03		223 22.8	N20 20.4
04		238 22.7	N20 19.9
05		253 22.7	N20 19.4
06		268 22.7	N20 18.9
07		283 22.7	N20 18.4
08		298 22.6	N20 17.9
09		313 22.6	N20 17.4
10		328 22.6	N20 16.9
11		343 22.6	N20 16.4
12		358 22.5	N20 15.9
13		13 22.5	N20 15.4
14		28 22.5	N20 14.9
15		43 22.5	N20 14.4
16		58 22.4	N20 13.9
17		73 22.4	N20 13.4
18		88 22.4	N20 12.9
19		103 22.4	N20 12.4
20		118 22.3	N20 11.9
21		133 22.3	N20 11.4
22		148 22.3	N20 10.9
23		163 22.3	N20 10.4
00	2023-07-23	178 22.3	N20 09.9
01		193 22.2	N20 09.4
02		208 22.2	N20 08.9
03		223 22.2	N20 08.4
04		238 22.2	N20 07.9
05		253 22.2	N20 07.4
06		268 22.1	N20 06.9
07		283 22.1	N20 06.4
08		298 22.1	N20 05.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
09		313 22.1	N20 05.3
10		328 22.1	N20 04.8
11		343 22.0	N20 04.3
12		358 22.0	N20 03.8
13		13 22.0	N20 03.3
14		28 22.0	N20 02.8
15		43 22.0	N20 02.3
16		58 21.9	N20 01.8
17		73 21.9	N20 01.3
18		88 21.9	N20 00.7
19		103 21.9	N20 00.2
20		118 21.9	N19 59.7
21		133 21.9	N19 59.2
22		148 21.8	N19 58.7
23		163 21.8	N19 58.2
00	2023-07-24	178 21.8	N19 57.6
01		193 21.8	N19 57.1
02		208 21.8	N19 56.6
03		223 21.8	N19 56.1
04		238 21.8	N19 55.6
05		253 21.7	N19 55.0
06		268 21.7	N19 54.5
07		283 21.7	N19 54.0
08		298 21.7	N19 53.5
09		313 21.7	N19 52.9
10		328 21.7	N19 52.4
11		343 21.7	N19 51.9
12		358 21.7	N19 51.4
13		13 21.6	N19 50.8
14		28 21.6	N19 50.3
15		43 21.6	N19 49.8
16		58 21.6	N19 49.3
17		73 21.6	N19 48.7
18		88 21.6	N19 48.2
19		103 21.6	N19 47.7
20		118 21.6	N19 47.1
21		133 21.6	N19 46.6
22		148 21.5	N19 46.1
23		163 21.5	N19 45.6
00	2023-07-25	178 21.5	N19 45.0
01		193 21.5	N19 44.5
02		208 21.5	N19 44.0
03		223 21.5	N19 43.4
04		238 21.5	N19 42.9
05		253 21.5	N19 42.4
06		268 21.5	N19 41.8
07		283 21.5	N19 41.3
08		298 21.5	N19 40.7
09		313 21.5	N19 40.2
10		328 21.4	N19 39.7
11		343 21.4	N19 39.1
12		358 21.4	N19 38.6
13		13 21.4	N19 38.1
14		28 21.4	N19 37.5
15		43 21.4	N19 37.0
16		58 21.4	N19 36.4
17		73 21.4	N19 35.9
18		88 21.4	N19 35.3
19		103 21.4	N19 34.8
20		118 21.4	N19 34.3
21		133 21.4	N19 33.7
22		148 21.4	N19 33.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
23		163 21.4	N19 32.6
00	2023-07-26	178 21.4	N19 32.1
01		193 21.4	N19 31.5
02		208 21.4	N19 31.0
03		223 21.4	N19 30.4
04		238 21.4	N19 29.9
05		253 21.4	N19 29.3
06		268 21.4	N19 28.8
07		283 21.4	N19 28.2
08		298 21.4	N19 27.7
09		313 21.4	N19 27.1
10		328 21.4	N19 26.6
11		343 21.4	N19 26.0
12		358 21.4	N19 25.5
13		13 21.4	N19 24.9
14		28 21.4	N19 24.4
15		43 21.4	N19 23.8
16		58 21.4	N19 23.3
17		73 21.4	N19 22.7
18		88 21.4	N19 22.2
19		103 21.4	N19 21.6
20		118 21.4	N19 21.1
21		133 21.4	N19 20.5
22		148 21.4	N19 19.9
23		163 21.4	N19 19.4
00	2023-07-27	178 21.4	N19 18.8
01		193 21.4	N19 18.3
02		208 21.4	N19 17.7
03		223 21.4	N19 17.1
04		238 21.4	N19 16.6
05		253 21.4	N19 16.0
06		268 21.4	N19 15.5
07		283 21.4	N19 14.9
08		298 21.4	N19 14.3
09		313 21.4	N19 13.8
10		328 21.5	N19 13.2
11		343 21.5	N19 12.6
12		358 21.5	N19 12.1
13		13 21.5	N19 11.5
14		28 21.5	N19 10.9
15		43 21.5	N19 10.4
16		58 21.5	N19 09.8
17		73 21.5	N19 09.2
18		88 21.5	N19 08.7
19		103 21.5	N19 08.1
20		118 21.5	N19 07.5
21		133 21.5	N19 07.0
22		148 21.6	N19 06.4
23		163 21.6	N19 05.8
00	2023-07-28	178 21.6	N19 05.2
01		193 21.6	N19 04.7
02		208 21.6	N19 04.1
03		223 21.6	N19 03.5
04		238 21.6	N19 02.9
05		253 21.6	N19 02.4
06		268 21.6	N19 01.8
07		283 21.7	N19 01.2
08		298 21.7	N19 00.6
09		313 21.7	N19 00.1
10		328 21.7	N18 59.5
11		343 21.7	N18 58.9
12		358 21.7	N18 58.3

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
13		13 21.7	N18 57.8
14		28 21.7	N18 57.2
15		43 21.8	N18 56.6
16		58 21.8	N18 56.0
17		73 21.8	N18 55.4
18		88 21.8	N18 54.8
19		103 21.8	N18 54.3
20		118 21.8	N18 53.7
21		133 21.8	N18 53.1
22		148 21.9	N18 52.5
23		163 21.9	N18 51.9
00	2023-07-29	178 21.9	N18 51.3
01		193 21.9	N18 50.8
02		208 21.9	N18 50.2
03		223 22.0	N18 49.6
04		238 22.0	N18 49.0
05		253 22.0	N18 48.4
06		268 22.0	N18 47.8
07		283 22.0	N18 47.2
08		298 22.0	N18 46.6
09		313 22.1	N18 46.1
10		328 22.1	N18 45.5
11		343 22.1	N18 44.9
12		358 22.1	N18 44.3
13		13 22.1	N18 43.7
14		28 22.2	N18 43.1
15		43 22.2	N18 42.5
16		58 22.2	N18 41.9
17		73 22.2	N18 41.3
18		88 22.2	N18 40.7
19		103 22.3	N18 40.1
20		118 22.3	N18 39.5
21		133 22.3	N18 38.9
22		148 22.3	N18 38.3
23		163 22.4	N18 37.7
00	2023-07-30	178 22.4	N18 37.1
01		193 22.4	N18 36.5
02		208 22.4	N18 35.9
03		223 22.5	N18 35.3
04		238 22.5	N18 34.7
05		253 22.5	N18 34.1
06		268 22.5	N18 33.5
07		283 22.5	N18 32.9
08		298 22.6	N18 32.3
09		313 22.6	N18 31.7
10		328 22.6	N18 31.1
11		343 22.7	N18 30.5
12		358 22.7	N18 29.9
13		13 22.7	N18 29.3
14		28 22.7	N18 28.7
15		43 22.8	N18 28.1
16		58 22.8	N18 27.5
17		73 22.8	N18 26.9
18		88 22.8	N18 26.3
19		103 22.9	N18 25.7
20		118 22.9	N18 25.1
21		133 22.9	N18 24.5
22		148 23.0	N18 23.9
23		163 23.0	N18 23.2
00	2023-07-31	178 23.0	N18 22.6
01		193 23.0	N18 22.0
02		208 23.1	N18 21.4

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
03		223 23.1	N18 20.8
04		238 23.1	N18 20.2
05		253 23.2	N18 19.6
06		268 23.2	N18 19.0
07		283 23.2	N18 18.3
08		298 23.3	N18 17.7
09		313 23.3	N18 17.1
10		328 23.3	N18 16.5
11		343 23.4	N18 15.9
12		358 23.4	N18 15.3
13		13 23.4	N18 14.7
14		28 23.5	N18 14.0
15		43 23.5	N18 13.4
16		58 23.5	N18 12.8
17		73 23.6	N18 12.2
18		88 23.6	N18 11.6
19		103 23.6	N18 10.9
20		118 23.7	N18 10.3
21		133 23.7	N18 09.7
22		148 23.7	N18 09.1
23		163 23.8	N18 08.5
00	2023-08-01	178 23.8	N18 07.8
01		193 23.8	N18 07.2
02		208 23.9	N18 06.6
03		223 23.9	N18 06.0
04		238 24.0	N18 05.3
05		253 24.0	N18 04.7
06		268 24.0	N18 04.1
07		283 24.1	N18 03.5
08		298 24.1	N18 02.8
09		313 24.1	N18 02.2
10		328 24.2	N18 01.6
11		343 24.2	N18 00.9
12		358 24.3	N18 00.3
13		13 24.3	N17 59.7
14		28 24.3	N17 59.1
15		43 24.4	N17 58.4
16		58 24.4	N17 57.8
17		73 24.5	N17 57.2
18		88 24.5	N17 56.5
19		103 24.5	N17 55.9
20		118 24.6	N17 55.3
21		133 24.6	N17 54.6
22		148 24.7	N17 54.0
23		163 24.7	N17 53.4
00	2023-08-02	178 24.7	N17 52.7
01		193 24.8	N17 52.1
02		208 24.8	N17 51.5
03		223 24.9	N17 50.8
04		238 24.9	N17 50.2
05		253 25.0	N17 49.5
06		268 25.0	N17 48.9
07		283 25.1	N17 48.3
08		298 25.1	N17 47.6
09		313 25.1	N17 47.0
10		328 25.2	N17 46.4
11		343 25.2	N17 45.7
12		358 25.3	N17 45.1
13		13 25.3	N17 44.4
14		28 25.4	N17 43.8
15		43 25.4	N17 43.1
16		58 25.5	N17 42.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
17		73 25.5	N17 41.9
18		88 25.6	N17 41.2
19		103 25.6	N17 40.6
20		118 25.7	N17 39.9
21		133 25.7	N17 39.3
22		148 25.7	N17 38.6
23		163 25.8	N17 38.0
00	2023-08-03	178 25.8	N17 37.3
01		193 25.9	N17 36.7
02		208 25.9	N17 36.0
03		223 26.0	N17 35.4
04		238 26.0	N17 34.7
05		253 26.1	N17 34.1
06		268 26.1	N17 33.4
07		283 26.2	N17 32.8
08		298 26.2	N17 32.1
09		313 26.3	N17 31.5
10		328 26.3	N17 30.8
11		343 26.4	N17 30.2
12		358 26.4	N17 29.5
13		13 26.5	N17 28.9
14		28 26.6	N17 28.2
15		43 26.6	N17 27.6
16		58 26.7	N17 26.9
17		73 26.7	N17 26.3
18		88 26.8	N17 25.6
19		103 26.8	N17 25.0
20		118 26.9	N17 24.3
21		133 26.9	N17 23.6
22		148 27.0	N17 23.0
23		163 27.0	N17 22.3
00	2023-08-04	178 27.1	N17 21.7
01		193 27.1	N17 21.0
02		208 27.2	N17 20.3
03		223 27.3	N17 19.7
04		238 27.3	N17 19.0
05		253 27.4	N17 18.4
06		268 27.4	N17 17.7
07		283 27.5	N17 17.0
08		298 27.5	N17 16.4
09		313 27.6	N17 15.7
10		328 27.6	N17 15.0
11		343 27.7	N17 14.4
12		358 27.8	N17 13.7
13		13 27.8	N17 13.1
14		28 27.9	N17 12.4
15		43 27.9	N17 11.7
16		58 28.0	N17 11.1
17		73 28.1	N17 10.4
18		88 28.1	N17 09.7
19		103 28.2	N17 09.1
20		118 28.2	N17 08.4
21		133 28.3	N17 07.7
22		148 28.4	N17 07.0
23		163 28.4	N17 06.4
00	2023-08-05	178 28.5	N17 05.7
01		193 28.5	N17 05.0
02		208 28.6	N17 04.4
03		223 28.7	N17 03.7
04		238 28.7	N17 03.0
05		253 28.8	N17 02.3
06		268 28.9	N17 01.7

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
07		283 28.9	N17 01.0
08		298 29.0	N17 00.3
09		313 29.0	N16 59.6
10		328 29.1	N16 59.0
11		343 29.2	N16 58.3
12		358 29.2	N16 57.6
13		13 29.3	N16 56.9
14		28 29.4	N16 56.3
15		43 29.4	N16 55.6
16		58 29.5	N16 54.9
17		73 29.6	N16 54.2
18		88 29.6	N16 53.6
19		103 29.7	N16 52.9
20		118 29.8	N16 52.2
21		133 29.8	N16 51.5
22		148 29.9	N16 50.8
23		163 30.0	N16 50.2
00	2023-08-06	178 30.0	N16 49.5
01		193 30.1	N16 48.8
02		208 30.2	N16 48.1
03		223 30.2	N16 47.4
04		238 30.3	N16 46.7
05		253 30.4	N16 46.1
06		268 30.4	N16 45.4
07		283 30.5	N16 44.7
08		298 30.6	N16 44.0
09		313 30.6	N16 43.3
10		328 30.7	N16 42.6
11		343 30.8	N16 41.9
12		358 30.8	N16 41.2
13		13 30.9	N16 40.6
14		28 31.0	N16 39.9
15		43 31.1	N16 39.2
16		58 31.1	N16 38.5
17		73 31.2	N16 37.8
18		88 31.3	N16 37.1
19		103 31.3	N16 36.4
20		118 31.4	N16 35.7
21		133 31.5	N16 35.0
22		148 31.6	N16 34.3
23		163 31.6	N16 33.7
00	2023-08-07	178 31.7	N16 33.0
01		193 31.8	N16 32.3
02		208 31.8	N16 31.6
03		223 31.9	N16 30.9
04		238 32.0	N16 30.2
05		253 32.1	N16 29.5
06		268 32.1	N16 28.8
07		283 32.2	N16 28.1
08		298 32.3	N16 27.4
09		313 32.4	N16 26.7
10		328 32.4	N16 26.0
11		343 32.5	N16 25.3
12		358 32.6	N16 24.6
13		13 32.7	N16 23.9
14		28 32.8	N16 23.2
15		43 32.8	N16 22.5
16		58 32.9	N16 21.8
17		73 33.0	N16 21.1
18		88 33.1	N16 20.4
19		103 33.1	N16 19.7
20		118 33.2	N16 19.0

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
21		133 33.3	N16 18.3
22		148 33.4	N16 17.6
23		163 33.5	N16 16.9
00	2023-08-08	178 33.5	N16 16.2
01		193 33.6	N16 15.5
02		208 33.7	N16 14.8
03		223 33.8	N16 14.1
04		238 33.8	N16 13.4
05		253 33.9	N16 12.7
06		268 34.0	N16 11.9
07		283 34.1	N16 11.2
08		298 34.2	N16 10.5
09		313 34.3	N16 09.8
10		328 34.3	N16 09.1
11		343 34.4	N16 08.4
12		358 34.5	N16 07.7
13		13 34.6	N16 07.0
14		28 34.7	N16 06.3
15		43 34.7	N16 05.6
16		58 34.8	N16 04.9
17		73 34.9	N16 04.1
18		88 35.0	N16 03.4
19		103 35.1	N16 02.7
20		118 35.2	N16 02.0
21		133 35.2	N16 01.3
22		148 35.3	N16 00.6
23		163 35.4	N15 59.9
00	2023-08-09	178 35.5	N15 59.1
01		193 35.6	N15 58.4
02		208 35.7	N15 57.7
03		223 35.8	N15 57.0
04		238 35.8	N15 56.3
05		253 35.9	N15 55.6
06		268 36.0	N15 54.8
07		283 36.1	N15 54.1
08		298 36.2	N15 53.4
09		313 36.3	N15 52.7
10		328 36.4	N15 52.0
11		343 36.4	N15 51.2
12		358 36.5	N15 50.5
13		13 36.6	N15 49.8
14		28 36.7	N15 49.1
15		43 36.8	N15 48.4
16		58 36.9	N15 47.6
17		73 37.0	N15 46.9
18		88 37.1	N15 46.2
19		103 37.2	N15 45.5
20		118 37.2	N15 44.7
21		133 37.3	N15 44.0
22		148 37.4	N15 43.3
23		163 37.5	N15 42.6
00	2023-08-10	178 37.6	N15 41.8
01		193 37.7	N15 41.1
02		208 37.8	N15 40.4
03		223 37.9	N15 39.7
04		238 38.0	N15 38.9
05		253 38.1	N15 38.2
06		268 38.2	N15 37.5
07		283 38.3	N15 36.8
08		298 38.3	N15 36.0
09		313 38.4	N15 35.3
10		328 38.5	N15 34.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
11		343 38.6	N15 33.8
12		358 38.7	N15 33.1
13		13 38.8	N15 32.4
14		28 38.9	N15 31.6
15		43 39.0	N15 30.9
16		58 39.1	N15 30.2
17		73 39.2	N15 29.4
18		88 39.3	N15 28.7
19		103 39.4	N15 28.0
20		118 39.5	N15 27.2
21		133 39.6	N15 26.5
22		148 39.7	N15 25.8
23		163 39.8	N15 25.0
00	2023-08-11	178 39.9	N15 24.3
01		193 40.0	N15 23.6
02		208 40.1	N15 22.8
03		223 40.2	N15 22.1
04		238 40.2	N15 21.3
05		253 40.3	N15 20.6
06		268 40.4	N15 19.9
07		283 40.5	N15 19.1
08		298 40.6	N15 18.4
09		313 40.7	N15 17.7
10		328 40.8	N15 16.9
11		343 40.9	N15 16.2
12		358 41.0	N15 15.4
13		13 41.1	N15 14.7
14		28 41.2	N15 13.9
15		43 41.3	N15 13.2
16		58 41.4	N15 12.5
17		73 41.5	N15 11.7
18		88 41.6	N15 11.0
19		103 41.7	N15 10.2
20		118 41.8	N15 09.5
21		133 41.9	N15 08.7
22		148 42.0	N15 08.0
23		163 42.1	N15 07.2
00	2023-08-12	178 42.3	N15 06.5
01		193 42.4	N15 05.8
02		208 42.5	N15 05.0
03		223 42.6	N15 04.3
04		238 42.7	N15 03.5
05		253 42.8	N15 02.8
06		268 42.9	N15 02.0
07		283 43.0	N15 01.3
08		298 43.1	N15 00.5
09		313 43.2	N14 59.8
10		328 43.3	N14 59.0
11		343 43.4	N14 58.3
12		358 43.5	N14 57.5
13		13 43.6	N14 56.8
14		28 43.7	N14 56.0
15		43 43.8	N14 55.3
16		58 43.9	N14 54.5
17		73 44.0	N14 53.7
18		88 44.1	N14 53.0
19		103 44.2	N14 52.2
20		118 44.3	N14 51.5
21		133 44.5	N14 50.7
22		148 44.6	N14 50.0
23		163 44.7	N14 49.2
00	2023-08-13	178 44.8	N14 48.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
01		193 44.9	N14 47.7
02		208 45.0	N14 46.9
03		223 45.1	N14 46.2
04		238 45.2	N14 45.4
05		253 45.3	N14 44.7
06		268 45.4	N14 43.9
07		283 45.5	N14 43.2
08		298 45.7	N14 42.4
09		313 45.8	N14 41.6
10		328 45.9	N14 40.9
11		343 46.0	N14 40.1
12		358 46.1	N14 39.4
13		13 46.2	N14 38.6
14		28 46.3	N14 37.8
15		43 46.4	N14 37.1
16		58 46.5	N14 36.3
17		73 46.7	N14 35.5
18		88 46.8	N14 34.8
19		103 46.9	N14 34.0
20		118 47.0	N14 33.2
21		133 47.1	N14 32.5
22		148 47.2	N14 31.7
23		163 47.3	N14 30.9
00	2023-08-14	178 47.4	N14 30.2
01		193 47.6	N14 29.4
02		208 47.7	N14 28.6
03		223 47.8	N14 27.9
04		238 47.9	N14 27.1
05		253 48.0	N14 26.3
06		268 48.1	N14 25.6
07		283 48.2	N14 24.8
08		298 48.4	N14 24.0
09		313 48.5	N14 23.3
10		328 48.6	N14 22.5
11		343 48.7	N14 21.7
12		358 48.8	N14 21.0
13		13 48.9	N14 20.2
14		28 49.1	N14 19.4
15		43 49.2	N14 18.6
16		58 49.3	N14 17.9
17		73 49.4	N14 17.1
18		88 49.5	N14 16.3
19		103 49.6	N14 15.5
20		118 49.8	N14 14.8
21		133 49.9	N14 14.0
22		148 50.0	N14 13.2
23		163 50.1	N14 12.4
00	2023-08-15	178 50.2	N14 11.7
01		193 50.4	N14 10.9
02		208 50.5	N14 10.1
03		223 50.6	N14 09.3
04		238 50.7	N14 08.6
05		253 50.8	N14 07.8
06		268 51.0	N14 07.0
07		283 51.1	N14 06.2
08		298 51.2	N14 05.5
09		313 51.3	N14 04.7
10		328 51.4	N14 03.9
11		343 51.6	N14 03.1
12		358 51.7	N14 02.3
13		13 51.8	N14 01.6
14		28 51.9	N14 00.8

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
15		43 52.1	N13 60.0
16		58 52.2	N13 59.2
17		73 52.3	N13 58.4
18		88 52.4	N13 57.6
19		103 52.5	N13 56.9
20		118 52.7	N13 56.1
21		133 52.8	N13 55.3
22		148 52.9	N13 54.5
23		163 53.0	N13 53.7
00	2023-08-16	178 53.2	N13 52.9
01		193 53.3	N13 52.2
02		208 53.4	N13 51.4
03		223 53.5	N13 50.6
04		238 53.7	N13 49.8
05		253 53.8	N13 49.0
06		268 53.9	N13 48.2
07		283 54.1	N13 47.4
08		298 54.2	N13 46.6
09		313 54.3	N13 45.9
10		328 54.4	N13 45.1
11		343 54.6	N13 44.3
12		358 54.7	N13 43.5
13		13 54.8	N13 42.7
14		28 54.9	N13 41.9
15		43 55.1	N13 41.1
16		58 55.2	N13 40.3
17		73 55.3	N13 39.5
18		88 55.5	N13 38.7
19		103 55.6	N13 38.0
20		118 55.7	N13 37.2
21		133 55.8	N13 36.4
22		148 56.0	N13 35.6
23		163 56.1	N13 34.8
00	2023-08-17	178 56.2	N13 34.0
01		193 56.4	N13 33.2
02		208 56.5	N13 32.4
03		223 56.6	N13 31.6
04		238 56.8	N13 30.8
05		253 56.9	N13 30.0
06		268 57.0	N13 29.2
07		283 57.2	N13 28.4
08		298 57.3	N13 27.6
09		313 57.4	N13 26.8
10		328 57.5	N13 26.0
11		343 57.7	N13 25.2
12		358 57.8	N13 24.4
13		13 57.9	N13 23.6
14		28 58.1	N13 22.8
15		43 58.2	N13 22.0
16		58 58.3	N13 21.2
17		73 58.5	N13 20.4
18		88 58.6	N13 19.6
19		103 58.8	N13 18.8
20		118 58.9	N13 18.0
21		133 59.0	N13 17.2
22		148 59.2	N13 16.4
23		163 59.3	N13 15.6
00	2023-08-18	178 59.4	N13 14.8
01		193 59.6	N13 14.0
02		208 59.7	N13 13.2
03		223 59.8	N13 12.4
04		238 60.0	N13 11.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
05		254 00.1	N13 10.8
06		269 00.2	N13 10.0
07		284 00.4	N13 09.2
08		299 00.5	N13 08.4
09		314 00.7	N13 07.6
10		329 00.8	N13 06.8
11		344 00.9	N13 06.0
12		359 01.1	N13 05.1
13		14 01.2	N13 04.3
14		29 01.4	N13 03.5
15		44 01.5	N13 02.7
16		59 01.6	N13 01.9
17		74 01.8	N13 01.1
18		89 01.9	N13 00.3
19		104 02.0	N12 59.5
20		119 02.2	N12 58.7
21		134 02.3	N12 57.9
22		149 02.5	N12 57.1
23		164 02.6	N12 56.2
00	2023-08-19	179 02.7	N12 55.4
01		194 02.9	N12 54.6
02		209 03.0	N12 53.8
03		224 03.2	N12 53.0
04		239 03.3	N12 52.2
05		254 03.5	N12 51.4
06		269 03.6	N12 50.6
07		284 03.7	N12 49.7
08		299 03.9	N12 48.9
09		314 04.0	N12 48.1
10		329 04.2	N12 47.3
11		344 04.3	N12 46.5
12		359 04.5	N12 45.7
13		14 04.6	N12 44.9
14		29 04.7	N12 44.0
15		44 04.9	N12 43.2
16		59 05.0	N12 42.4
17		74 05.2	N12 41.6
18		89 05.3	N12 40.8
19		104 05.5	N12 39.9
20		119 05.6	N12 39.1
21		134 05.8	N12 38.3
22		149 05.9	N12 37.5
23		164 06.1	N12 36.7
00	2023-08-20	179 06.2	N12 35.8
01		194 06.3	N12 35.0
02		209 06.5	N12 34.2
03		224 06.6	N12 33.4
04		239 06.8	N12 32.6
05		254 06.9	N12 31.7
06		269 07.1	N12 30.9
07		284 07.2	N12 30.1
08		299 07.4	N12 29.3
09		314 07.5	N12 28.5
10		329 07.7	N12 27.6
11		344 07.8	N12 26.8
12		359 08.0	N12 26.0
13		14 08.1	N12 25.2
14		29 08.3	N12 24.3
15		44 08.4	N12 23.5
16		59 08.6	N12 22.7
17		74 08.7	N12 21.9
18		89 08.9	N12 21.0

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
19		104 09.0	N12 20.2
20		119 09.2	N12 19.4
21		134 09.3	N12 18.5
22		149 09.5	N12 17.7
23		164 09.6	N12 16.9
00	2023-08-21	179 09.8	N12 16.1
01		194 09.9	N12 15.2
02		209 10.1	N12 14.4
03		224 10.2	N12 13.6
04		239 10.4	N12 12.7
05		254 10.5	N12 11.9
06		269 10.7	N12 11.1
07		284 10.8	N12 10.3
08		299 11.0	N12 09.4
09		314 11.1	N12 08.6
10		329 11.3	N12 07.8
11		344 11.4	N12 06.9
12		359 11.6	N12 06.1
13		14 11.8	N12 05.3
14		29 11.9	N12 04.4
15		44 12.1	N12 03.6
16		59 12.2	N12 02.8
17		74 12.4	N12 01.9
18		89 12.5	N12 01.1
19		104 12.7	N12 00.3
20		119 12.8	N11 59.4
21		134 13.0	N11 58.6
22		149 13.1	N11 57.8
23		164 13.3	N11 56.9
00	2023-08-22	179 13.5	N11 56.1
01		194 13.6	N11 55.3
02		209 13.8	N11 54.4
03		224 13.9	N11 53.6
04		239 14.1	N11 52.7
05		254 14.2	N11 51.9
06		269 14.4	N11 51.1
07		284 14.6	N11 50.2
08		299 14.7	N11 49.4
09		314 14.9	N11 48.5
10		329 15.0	N11 47.7
11		344 15.2	N11 46.9
12		359 15.3	N11 46.0
13		14 15.5	N11 45.2
14		29 15.7	N11 44.3
15		44 15.8	N11 43.5
16		59 16.0	N11 42.7
17		74 16.1	N11 41.8
18		89 16.3	N11 41.0
19		104 16.5	N11 40.1
20		119 16.6	N11 39.3
21		134 16.8	N11 38.5
22		149 16.9	N11 37.6
23		164 17.1	N11 36.8
00	2023-08-23	179 17.3	N11 35.9
01		194 17.4	N11 35.1
02		209 17.6	N11 34.2
03		224 17.8	N11 33.4
04		239 17.9	N11 32.5
05		254 18.1	N11 31.7
06		269 18.2	N11 30.9
07		284 18.4	N11 30.0
08		299 18.6	N11 29.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
09		314 18.7	N11 28.3
10		329 18.9	N11 27.5
11		344 19.1	N11 26.6
12		359 19.2	N11 25.8
13		14 19.4	N11 24.9
14		29 19.5	N11 24.1
15		44 19.7	N11 23.2
16		59 19.9	N11 22.4
17		74 20.0	N11 21.5
18		89 20.2	N11 20.7
19		104 20.4	N11 19.8
20		119 20.5	N11 19.0
21		134 20.7	N11 18.1
22		149 20.9	N11 17.3
23		164 21.0	N11 16.4
00	2023-08-24	179 21.2	N11 15.6
01		194 21.4	N11 14.7
02		209 21.5	N11 13.9
03		224 21.7	N11 13.0
04		239 21.9	N11 12.2
05		254 22.0	N11 11.3
06		269 22.2	N11 10.5
07		284 22.4	N11 09.6
08		299 22.5	N11 08.8
09		314 22.7	N11 07.9
10		329 22.9	N11 07.1
11		344 23.0	N11 06.2
12		359 23.2	N11 05.3
13		14 23.4	N11 04.5
14		29 23.5	N11 03.6
15		44 23.7	N11 02.8
16		59 23.9	N11 01.9
17		74 24.0	N11 01.1
18		89 24.2	N11 00.2
19		104 24.4	N10 59.3
20		119 24.5	N10 58.5
21		134 24.7	N10 57.6
22		149 24.9	N10 56.8
23		164 25.1	N10 55.9
00	2023-08-25	179 25.2	N10 55.1
01		194 25.4	N10 54.2
02		209 25.6	N10 53.3
03		224 25.7	N10 52.5
04		239 25.9	N10 51.6
05		254 26.1	N10 50.8
06		269 26.3	N10 49.9
07		284 26.4	N10 49.0
08		299 26.6	N10 48.2
09		314 26.8	N10 47.3
10		329 26.9	N10 46.5
11		344 27.1	N10 45.6
12		359 27.3	N10 44.7
13		14 27.5	N10 43.9
14		29 27.6	N10 43.0
15		44 27.8	N10 42.1
16		59 28.0	N10 41.3
17		74 28.2	N10 40.4
18		89 28.3	N10 39.6
19		104 28.5	N10 38.7
20		119 28.7	N10 37.8
21		134 28.9	N10 37.0
22		149 29.0	N10 36.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
23		164 29.2	N10 35.2
00	2023-08-26	179 29.4	N10 34.4
01		194 29.5	N10 33.5
02		209 29.7	N10 32.6
03		224 29.9	N10 31.8
04		239 30.1	N10 30.9
05		254 30.3	N10 30.0
06		269 30.4	N10 29.2
07		284 30.6	N10 28.3
08		299 30.8	N10 27.4
09		314 31.0	N10 26.6
10		329 31.1	N10 25.7
11		344 31.3	N10 24.8
12		359 31.5	N10 24.0
13		14 31.7	N10 23.1
14		29 31.8	N10 22.2
15		44 32.0	N10 21.3
16		59 32.2	N10 20.5
17		74 32.4	N10 19.6
18		89 32.6	N10 18.7
19		104 32.7	N10 17.9
20		119 32.9	N10 17.0
21		134 33.1	N10 16.1
22		149 33.3	N10 15.3
23		164 33.4	N10 14.4
00	2023-08-27	179 33.6	N10 13.5
01		194 33.8	N10 12.6
02		209 34.0	N10 11.8
03		224 34.2	N10 10.9
04		239 34.3	N10 10.0
05		254 34.5	N10 09.1
06		269 34.7	N10 08.3
07		284 34.9	N10 07.4
08		299 35.1	N10 06.5
09		314 35.2	N10 05.6
10		329 35.4	N10 04.8
11		344 35.6	N10 03.9
12		359 35.8	N10 03.0
13		14 36.0	N10 02.1
14		29 36.1	N10 01.3
15		44 36.3	N10 00.4
16		59 36.5	N09 59.5
17		74 36.7	N09 58.6
18		89 36.9	N09 57.8
19		104 37.1	N09 56.9
20		119 37.2	N09 56.0
21		134 37.4	N09 55.1
22		149 37.6	N09 54.2
23		164 37.8	N09 53.4
00	2023-08-28	179 38.0	N09 52.5
01		194 38.2	N09 51.6
02		209 38.3	N09 50.7
03		224 38.5	N09 49.9
04		239 38.7	N09 49.0
05		254 38.9	N09 48.1
06		269 39.1	N09 47.2
07		284 39.3	N09 46.3
08		299 39.4	N09 45.4
09		314 39.6	N09 44.6
10		329 39.8	N09 43.7
11		344 40.0	N09 42.8
12		359 40.2	N09 41.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
13		14 40.4	N09 41.0
14		29 40.6	N09 40.2
15		44 40.7	N09 39.3
16		59 40.9	N09 38.4
17		74 41.1	N09 37.5
18		89 41.3	N09 36.6
19		104 41.5	N09 35.7
20		119 41.7	N09 34.9
21		134 41.9	N09 34.0
22		149 42.0	N09 33.1
23		164 42.2	N09 32.2
00	2023-08-29	179 42.4	N09 31.3
01		194 42.6	N09 30.4
02		209 42.8	N09 29.5
03		224 43.0	N09 28.7
04		239 43.2	N09 27.8
05		254 43.4	N09 26.9
06		269 43.5	N09 26.0
07		284 43.7	N09 25.1
08		299 43.9	N09 24.2
09		314 44.1	N09 23.3
10		329 44.3	N09 22.5
11		344 44.5	N09 21.6
12		359 44.7	N09 20.7
13		14 44.9	N09 19.8
14		29 45.1	N09 18.9
15		44 45.2	N09 18.0
16		59 45.4	N09 17.1
17		74 45.6	N09 16.2
18		89 45.8	N09 15.3
19		104 46.0	N09 14.4
20		119 46.2	N09 13.6
21		134 46.4	N09 12.7
22		149 46.6	N09 11.8
23		164 46.8	N09 10.9
00	2023-08-30	179 47.0	N09 10.0
01		194 47.1	N09 09.1
02		209 47.3	N09 08.2
03		224 47.5	N09 07.3
04		239 47.7	N09 06.4
05		254 47.9	N09 05.5
06		269 48.1	N09 04.6
07		284 48.3	N09 03.7
08		299 48.5	N09 02.9
09		314 48.7	N09 02.0
10		329 48.9	N09 01.1
11		344 49.1	N09 00.2
12		359 49.3	N08 59.3
13		14 49.5	N08 58.4
14		29 49.6	N08 57.5
15		44 49.8	N08 56.6
16		59 50.0	N08 55.7
17		74 50.2	N08 54.8
18		89 50.4	N08 53.9
19		104 50.6	N08 53.0
20		119 50.8	N08 52.1
21		134 51.0	N08 51.2
22		149 51.2	N08 50.3
23		164 51.4	N08 49.4
00	2023-08-31	179 51.6	N08 48.5
01		194 51.8	N08 47.6
02		209 52.0	N08 46.7

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
03		224 52.2	N08 45.8
04		239 52.4	N08 44.9
05		254 52.6	N08 44.0
06		269 52.7	N08 43.1
07		284 52.9	N08 42.2
08		299 53.1	N08 41.3
09		314 53.3	N08 40.4
10		329 53.5	N08 39.5
11		344 53.7	N08 38.6
12		359 53.9	N08 37.7
13		14 54.1	N08 36.8
14		29 54.3	N08 35.9
15		44 54.5	N08 35.0
16		59 54.7	N08 34.1
17		74 54.9	N08 33.2
18		89 55.1	N08 32.3
19		104 55.3	N08 31.4
20		119 55.5	N08 30.5
21		134 55.7	N08 29.6
22		149 55.9	N08 28.7
23		164 56.1	N08 27.8
00	2023-09-01	179 56.3	N08 26.9
01		194 56.5	N08 26.0
02		209 56.7	N08 25.1
03		224 56.9	N08 24.2
04		239 57.1	N08 23.3
05		254 57.3	N08 22.4
06		269 57.5	N08 21.5
07		284 57.7	N08 20.6
08		299 57.9	N08 19.7
09		314 58.1	N08 18.8
10		329 58.3	N08 17.9
11		344 58.5	N08 17.0
12		359 58.7	N08 16.1
13		14 58.9	N08 15.2
14		29 59.1	N08 14.3
15		44 59.3	N08 13.4
16		59 59.5	N08 12.4
17		74 59.7	N08 11.5
18		89 59.9	N08 10.6
19		105 00.1	N08 09.7
20		120 00.3	N08 08.8
21		135 00.5	N08 07.9
22		150 00.7	N08 07.0
23		165 00.9	N08 06.1
00	2023-09-02	180 01.1	N08 05.2
01		195 01.3	N08 04.3
02		210 01.5	N08 03.4
03		225 01.7	N08 02.5
04		240 01.9	N08 01.5
05		255 02.1	N08 00.6
06		270 02.3	N07 59.7
07		285 02.5	N07 58.8
08		300 02.7	N07 57.9
09		315 02.9	N07 57.0
10		330 03.1	N07 56.1
11		345 03.3	N07 55.2
12		0 03.5	N07 54.3
13		15 03.7	N07 53.4
14		30 03.9	N07 52.4
15		45 04.1	N07 51.5
16		60 04.3	N07 50.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
17		75 04.5	N07 49.7
18		90 04.7	N07 48.8
19		105 04.9	N07 47.9
20		120 05.1	N07 47.0
21		135 05.3	N07 46.1
22		150 05.5	N07 45.1
23		165 05.7	N07 44.2
00	2023-09-03	180 05.9	N07 43.3
01		195 06.1	N07 42.4
02		210 06.3	N07 41.5
03		225 06.5	N07 40.6
04		240 06.7	N07 39.7
05		255 06.9	N07 38.7
06		270 07.1	N07 37.8
07		285 07.3	N07 36.9
08		300 07.5	N07 36.0
09		315 07.7	N07 35.1
10		330 08.0	N07 34.2
11		345 08.2	N07 33.2
12		0 08.4	N07 32.3
13		15 08.6	N07 31.4
14		30 08.8	N07 30.5
15		45 09.0	N07 29.6
16		60 09.2	N07 28.7
17		75 09.4	N07 27.7
18		90 09.6	N07 26.8
19		105 09.8	N07 25.9
20		120 10.0	N07 25.0
21		135 10.2	N07 24.1
22		150 10.4	N07 23.2
23		165 10.6	N07 22.2
00	2023-09-04	180 10.8	N07 21.3
01		195 11.0	N07 20.4
02		210 11.2	N07 19.5
03		225 11.4	N07 18.6
04		240 11.7	N07 17.6
05		255 11.9	N07 16.7
06		270 12.1	N07 15.8
07		285 12.3	N07 14.9
08		300 12.5	N07 14.0
09		315 12.7	N07 13.0
10		330 12.9	N07 12.1
11		345 13.1	N07 11.2
12		0 13.3	N07 10.3
13		15 13.5	N07 09.3
14		30 13.7	N07 08.4
15		45 13.9	N07 07.5
16		60 14.1	N07 06.6
17		75 14.3	N07 05.7
18		90 14.6	N07 04.7
19		105 14.8	N07 03.8
20		120 15.0	N07 02.9
21		135 15.2	N07 02.0
22		150 15.4	N07 01.0
23		165 15.6	N07 00.1
00	2023-09-05	180 15.8	N06 59.2
01		195 16.0	N06 58.3
02		210 16.2	N06 57.3
03		225 16.4	N06 56.4
04		240 16.6	N06 55.5
05		255 16.8	N06 54.6
06		270 17.1	N06 53.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
07		285 17.3	N06 52.7
08		300 17.5	N06 51.8
09		315 17.7	N06 50.9
10		330 17.9	N06 49.9
11		345 18.1	N06 49.0
12		0 18.3	N06 48.1
13		15 18.5	N06 47.2
14		30 18.7	N06 46.2
15		45 18.9	N06 45.3
16		60 19.1	N06 44.4
17		75 19.4	N06 43.5
18		90 19.6	N06 42.5
19		105 19.8	N06 41.6
20		120 20.0	N06 40.7
21		135 20.2	N06 39.7
22		150 20.4	N06 38.8
23		165 20.6	N06 37.9
00	2023-09-06	180 20.8	N06 37.0
01		195 21.0	N06 36.0
02		210 21.2	N06 35.1
03		225 21.5	N06 34.2
04		240 21.7	N06 33.2
05		255 21.9	N06 32.3
06		270 22.1	N06 31.4
07		285 22.3	N06 30.5
08		300 22.5	N06 29.5
09		315 22.7	N06 28.6
10		330 22.9	N06 27.7
11		345 23.1	N06 26.7
12		0 23.4	N06 25.8
13		15 23.6	N06 24.9
14		30 23.8	N06 23.9
15		45 24.0	N06 23.0
16		60 24.2	N06 22.1
17		75 24.4	N06 21.1
18		90 24.6	N06 20.2
19		105 24.8	N06 19.3
20		120 25.1	N06 18.3
21		135 25.3	N06 17.4
22		150 25.5	N06 16.5
23		165 25.7	N06 15.5
00	2023-09-07	180 25.9	N06 14.6
01		195 26.1	N06 13.7
02		210 26.3	N06 12.7
03		225 26.5	N06 11.8
04		240 26.8	N06 10.9
05		255 27.0	N06 09.9
06		270 27.2	N06 09.0
07		285 27.4	N06 08.1
08		300 27.6	N06 07.1
09		315 27.8	N06 06.2
10		330 28.0	N06 05.3
11		345 28.2	N06 04.3
12		0 28.5	N06 03.4
13		15 28.7	N06 02.5
14		30 28.9	N06 01.5
15		45 29.1	N06 00.6
16		60 29.3	N05 59.7
17		75 29.5	N05 58.7
18		90 29.7	N05 57.8
19		105 30.0	N05 56.8
20		120 30.2	N05 55.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
21		135 30.4	N05 55.0
22		150 30.6	N05 54.0
23		165 30.8	N05 53.1
00	2023-09-08	180 31.0	N05 52.2
01		195 31.2	N05 51.2
02		210 31.5	N05 50.3
03		225 31.7	N05 49.3
04		240 31.9	N05 48.4
05		255 32.1	N05 47.5
06		270 32.3	N05 46.5
07		285 32.5	N05 45.6
08		300 32.7	N05 44.7
09		315 33.0	N05 43.7
10		330 33.2	N05 42.8
11		345 33.4	N05 41.8
12		0 33.6	N05 40.9
13		15 33.8	N05 40.0
14		30 34.0	N05 39.0
15		45 34.3	N05 38.1
16		60 34.5	N05 37.1
17		75 34.7	N05 36.2
18		90 34.9	N05 35.3
19		105 35.1	N05 34.3
20		120 35.3	N05 33.4
21		135 35.5	N05 32.4
22		150 35.8	N05 31.5
23		165 36.0	N05 30.6
00	2023-09-09	180 36.2	N05 29.6
01		195 36.4	N05 28.7
02		210 36.6	N05 27.7
03		225 36.8	N05 26.8
04		240 37.1	N05 25.8
05		255 37.3	N05 24.9
06		270 37.5	N05 24.0
07		285 37.7	N05 23.0
08		300 37.9	N05 22.1
09		315 38.1	N05 21.1
10		330 38.4	N05 20.2
11		345 38.6	N05 19.2
12		0 38.8	N05 18.3
13		15 39.0	N05 17.4
14		30 39.2	N05 16.4
15		45 39.4	N05 15.5
16		60 39.7	N05 14.5
17		75 39.9	N05 13.6
18		90 40.1	N05 12.6
19		105 40.3	N05 11.7
20		120 40.5	N05 10.7
21		135 40.7	N05 09.8
22		150 41.0	N05 08.9
23		165 41.2	N05 07.9
00	2023-09-10	180 41.4	N05 07.0
01		195 41.6	N05 06.0
02		210 41.8	N05 05.1
03		225 42.1	N05 04.1
04		240 42.3	N05 03.2
05		255 42.5	N05 02.2
06		270 42.7	N05 01.3
07		285 42.9	N05 00.3
08		300 43.1	N04 59.4
09		315 43.4	N04 58.4
10		330 43.6	N04 57.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
11		345 43.8	N04 56.6
12		0 44.0	N04 55.6
13		15 44.2	N04 54.7
14		30 44.5	N04 53.7
15		45 44.7	N04 52.8
16		60 44.9	N04 51.8
17		75 45.1	N04 50.9
18		90 45.3	N04 49.9
19		105 45.5	N04 49.0
20		120 45.8	N04 48.0
21		135 46.0	N04 47.1
22		150 46.2	N04 46.1
23		165 46.4	N04 45.2
00	2023-09-11	180 46.6	N04 44.2
01		195 46.9	N04 43.3
02		210 47.1	N04 42.3
03		225 47.3	N04 41.4
04		240 47.5	N04 40.4
05		255 47.7	N04 39.5
06		270 47.9	N04 38.5
07		285 48.2	N04 37.6
08		300 48.4	N04 36.6
09		315 48.6	N04 35.7
10		330 48.8	N04 34.7
11		345 49.0	N04 33.8
12		0 49.3	N04 32.8
13		15 49.5	N04 31.9
14		30 49.7	N04 30.9
15		45 49.9	N04 30.0
16		60 50.1	N04 29.0
17		75 50.4	N04 28.1
18		90 50.6	N04 27.1
19		105 50.8	N04 26.2
20		120 51.0	N04 25.2
21		135 51.2	N04 24.3
22		150 51.5	N04 23.3
23		165 51.7	N04 22.4
00	2023-09-12	180 51.9	N04 21.4
01		195 52.1	N04 20.5
02		210 52.3	N04 19.5
03		225 52.6	N04 18.6
04		240 52.8	N04 17.6
05		255 53.0	N04 16.7
06		270 53.2	N04 15.7
07		285 53.4	N04 14.7
08		300 53.7	N04 13.8
09		315 53.9	N04 12.8
10		330 54.1	N04 11.9
11		345 54.3	N04 10.9
12		0 54.5	N04 10.0
13		15 54.8	N04 09.0
14		30 55.0	N04 08.1
15		45 55.2	N04 07.1
16		60 55.4	N04 06.2
17		75 55.6	N04 05.2
18		90 55.9	N04 04.3
19		105 56.1	N04 03.3
20		120 56.3	N04 02.3
21		135 56.5	N04 01.4
22		150 56.7	N04 00.4
23		165 57.0	N03 59.5
00	2023-09-13	180 57.2	N03 58.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
01		195 57.4	N03 57.6
02		210 57.6	N03 56.6
03		225 57.9	N03 55.7
04		240 58.1	N03 54.7
05		255 58.3	N03 53.7
06		270 58.5	N03 52.8
07		285 58.7	N03 51.8
08		300 59.0	N03 50.9
09		315 59.2	N03 49.9
10		330 59.4	N03 49.0
11		345 59.6	N03 48.0
12		0 59.8	N03 47.0
13		16 00.1	N03 46.1
14		31 00.3	N03 45.1
15		46 00.5	N03 44.2
16		61 00.7	N03 43.2
17		76 00.9	N03 42.3
18		91 01.2	N03 41.3
19		106 01.4	N03 40.3
20		121 01.6	N03 39.4
21		136 01.8	N03 38.4
22		151 02.1	N03 37.5
23		166 02.3	N03 36.5
00	2023-09-14	181 02.5	N03 35.6
01		196 02.7	N03 34.6
02		211 02.9	N03 33.6
03		226 03.2	N03 32.7
04		241 03.4	N03 31.7
05		256 03.6	N03 30.8
06		271 03.8	N03 29.8
07		286 04.1	N03 28.8
08		301 04.3	N03 27.9
09		316 04.5	N03 26.9
10		331 04.7	N03 26.0
11		346 04.9	N03 25.0
12		1 05.2	N03 24.1
13		16 05.4	N03 23.1
14		31 05.6	N03 22.1
15		46 05.8	N03 21.2
16		61 06.0	N03 20.2
17		76 06.3	N03 19.3
18		91 06.5	N03 18.3
19		106 06.7	N03 17.3
20		121 06.9	N03 16.4
21		136 07.2	N03 15.4
22		151 07.4	N03 14.5
23		166 07.6	N03 13.5
00	2023-09-15	181 07.8	N03 12.5
01		196 08.0	N03 11.6
02		211 08.3	N03 10.6
03		226 08.5	N03 09.6
04		241 08.7	N03 08.7
05		256 08.9	N03 07.7
06		271 09.2	N03 06.8
07		286 09.4	N03 05.8
08		301 09.6	N03 04.8
09		316 09.8	N03 03.9
10		331 10.0	N03 02.9
11		346 10.3	N03 02.0
12		1 10.5	N03 01.0
13		16 10.7	N03 00.0
14		31 10.9	N02 59.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
15		46 11.2	N02 58.1
16		61 11.4	N02 57.1
17		76 11.6	N02 56.2
18		91 11.8	N02 55.2
19		106 12.0	N02 54.3
20		121 12.3	N02 53.3
21		136 12.5	N02 52.3
22		151 12.7	N02 51.4
23		166 12.9	N02 50.4
00	2023-09-16	181 13.2	N02 49.4
01		196 13.4	N02 48.5
02		211 13.6	N02 47.5
03		226 13.8	N02 46.6
04		241 14.1	N02 45.6
05		256 14.3	N02 44.6
06		271 14.5	N02 43.7
07		286 14.7	N02 42.7
08		301 14.9	N02 41.7
09		316 15.2	N02 40.8
10		331 15.4	N02 39.8
11		346 15.6	N02 38.8
12		1 15.8	N02 37.9
13		16 16.1	N02 36.9
14		31 16.3	N02 35.9
15		46 16.5	N02 35.0
16		61 16.7	N02 34.0
17		76 16.9	N02 33.1
18		91 17.2	N02 32.1
19		106 17.4	N02 31.1
20		121 17.6	N02 30.2
21		136 17.8	N02 29.2
22		151 18.1	N02 28.2
23		166 18.3	N02 27.3
00	2023-09-17	181 18.5	N02 26.3
01		196 18.7	N02 25.3
02		211 19.0	N02 24.4
03		226 19.2	N02 23.4
04		241 19.4	N02 22.4
05		256 19.6	N02 21.5
06		271 19.8	N02 20.5
07		286 20.1	N02 19.5
08		301 20.3	N02 18.6
09		316 20.5	N02 17.6
10		331 20.7	N02 16.6
11		346 21.0	N02 15.7
12		1 21.2	N02 14.7
13		16 21.4	N02 13.7
14		31 21.6	N02 12.8
15		46 21.8	N02 11.8
16		61 22.1	N02 10.8
17		76 22.3	N02 09.9
18		91 22.5	N02 08.9
19		106 22.7	N02 07.9
20		121 23.0	N02 07.0
21		136 23.2	N02 06.0
22		151 23.4	N02 05.0
23		166 23.6	N02 04.1
00	2023-09-18	181 23.9	N02 03.1
01		196 24.1	N02 02.1
02		211 24.3	N02 01.2
03		226 24.5	N02 00.2
04		241 24.7	N01 59.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
05		256 25.0	N01 58.3
06		271 25.2	N01 57.3
07		286 25.4	N01 56.3
08		301 25.6	N01 55.4
09		316 25.9	N01 54.4
10		331 26.1	N01 53.4
11		346 26.3	N01 52.5
12		1 26.5	N01 51.5
13		16 26.8	N01 50.5
14		31 27.0	N01 49.6
15		46 27.2	N01 48.6
16		61 27.4	N01 47.6
17		76 27.6	N01 46.7
18		91 27.9	N01 45.7
19		106 28.1	N01 44.7
20		121 28.3	N01 43.8
21		136 28.5	N01 42.8
22		151 28.8	N01 41.8
23		166 29.0	N01 40.8
00	2023-09-19	181 29.2	N01 39.9
01		196 29.4	N01 38.9
02		211 29.6	N01 37.9
03		226 29.9	N01 37.0
04		241 30.1	N01 36.0
05		256 30.3	N01 35.0
06		271 30.5	N01 34.1
07		286 30.8	N01 33.1
08		301 31.0	N01 32.1
09		316 31.2	N01 31.2
10		331 31.4	N01 30.2
11		346 31.7	N01 29.2
12		1 31.9	N01 28.2
13		16 32.1	N01 27.3
14		31 32.3	N01 26.3
15		46 32.5	N01 25.3
16		61 32.8	N01 24.4
17		76 33.0	N01 23.4
18		91 33.2	N01 22.4
19		106 33.4	N01 21.5
20		121 33.7	N01 20.5
21		136 33.9	N01 19.5
22		151 34.1	N01 18.5
23		166 34.3	N01 17.6
00	2023-09-20	181 34.5	N01 16.6
01		196 34.8	N01 15.6
02		211 35.0	N01 14.7
03		226 35.2	N01 13.7
04		241 35.4	N01 12.7
05		256 35.7	N01 11.8
06		271 35.9	N01 10.8
07		286 36.1	N01 09.8
08		301 36.3	N01 08.8
09		316 36.5	N01 07.9
10		331 36.8	N01 06.9
11		346 37.0	N01 05.9
12		1 37.2	N01 05.0
13		16 37.4	N01 04.0
14		31 37.7	N01 03.0
15		46 37.9	N01 02.0
16		61 38.1	N01 01.1
17		76 38.3	N01 00.1
18		91 38.5	N00 59.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
19		106 38.8	N00 58.2
20		121 39.0	N00 57.2
21		136 39.2	N00 56.2
22		151 39.4	N00 55.3
23		166 39.7	N00 54.3
00	2023-09-21	181 39.9	N00 53.3
01		196 40.1	N00 52.3
02		211 40.3	N00 51.4
03		226 40.5	N00 50.4
04		241 40.8	N00 49.4
05		256 41.0	N00 48.5
06		271 41.2	N00 47.5
07		286 41.4	N00 46.5
08		301 41.7	N00 45.5
09		316 41.9	N00 44.6
10		331 42.1	N00 43.6
11		346 42.3	N00 42.6
12		1 42.5	N00 41.7
13		16 42.8	N00 40.7
14		31 43.0	N00 39.7
15		46 43.2	N00 38.7
16		61 43.4	N00 37.8
17		76 43.6	N00 36.8
18		91 43.9	N00 35.8
19		106 44.1	N00 34.8
20		121 44.3	N00 33.9
21		136 44.5	N00 32.9
22		151 44.8	N00 31.9
23		166 45.0	N00 31.0
00	2023-09-22	181 45.2	N00 30.0
01		196 45.4	N00 29.0
02		211 45.6	N00 28.0
03		226 45.9	N00 27.1
04		241 46.1	N00 26.1
05		256 46.3	N00 25.1
06		271 46.5	N00 24.2
07		286 46.7	N00 23.2
08		301 47.0	N00 22.2
09		316 47.2	N00 21.2
10		331 47.4	N00 20.3
11		346 47.6	N00 19.3
12		1 47.8	N00 18.3
13		16 48.1	N00 17.3
14		31 48.3	N00 16.4
15		46 48.5	N00 15.4
16		61 48.7	N00 14.4
17		76 49.0	N00 13.5
18		91 49.2	N00 12.5
19		106 49.4	N00 11.5
20		121 49.6	N00 10.5
21		136 49.8	N00 09.6
22		151 50.1	N00 08.6
23		166 50.3	N00 07.6
00	2023-09-23	181 50.5	N00 06.6
01		196 50.7	N00 05.7
02		211 50.9	N00 04.7
03		226 51.2	N00 03.7
04		241 51.4	N00 02.8
05		256 51.6	N00 01.8
06		271 51.8	N00 00.8
07		286 52.0	S00 00.2
08		301 52.3	S00 01.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
09		316 52.5	S00 02.1
10		331 52.7	S00 03.1
11		346 52.9	S00 04.1
12		1 53.1	S00 05.0
13		16 53.4	S00 06.0
14		31 53.6	S00 07.0
15		46 53.8	S00 07.9
16		61 54.0	S00 08.9
17		76 54.2	S00 09.9
18		91 54.5	S00 10.9
19		106 54.7	S00 11.8
20		121 54.9	S00 12.8
21		136 55.1	S00 13.8
22		151 55.3	S00 14.8
23		166 55.5	S00 15.7
00	2023-09-24	181 55.8	S00 16.7
01		196 56.0	S00 17.7
02		211 56.2	S00 18.7
03		226 56.4	S00 19.6
04		241 56.6	S00 20.6
05		256 56.9	S00 21.6
06		271 57.1	S00 22.5
07		286 57.3	S00 23.5
08		301 57.5	S00 24.5
09		316 57.7	S00 25.5
10		331 58.0	S00 26.4
11		346 58.2	S00 27.4
12		1 58.4	S00 28.4
13		16 58.6	S00 29.4
14		31 58.8	S00 30.3
15		46 59.1	S00 31.3
16		61 59.3	S00 32.3
17		76 59.5	S00 33.3
18		91 59.7	S00 34.2
19		106 59.9	S00 35.2
20		122 00.1	S00 36.2
21		137 00.4	S00 37.1
22		152 00.6	S00 38.1
23		167 00.8	S00 39.1
00	2023-09-25	182 01.0	S00 40.1
01		197 01.2	S00 41.0
02		212 01.4	S00 42.0
03		227 01.7	S00 43.0
04		242 01.9	S00 44.0
05		257 02.1	S00 44.9
06		272 02.3	S00 45.9
07		287 02.5	S00 46.9
08		302 02.8	S00 47.9
09		317 03.0	S00 48.8
10		332 03.2	S00 49.8
11		347 03.4	S00 50.8
12		2 03.6	S00 51.7
13		17 03.8	S00 52.7
14		32 04.1	S00 53.7
15		47 04.3	S00 54.7
16		62 04.5	S00 55.6
17		77 04.7	S00 56.6
18		92 04.9	S00 57.6
19		107 05.1	S00 58.6
20		122 05.4	S00 59.5
21		137 05.6	S01 00.5
22		152 05.8	S01 01.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
23		167 06.0	S01 02.5
00	2023-09-26	182 06.2	S01 03.4
01		197 06.4	S01 04.4
02		212 06.7	S01 05.4
03		227 06.9	S01 06.3
04		242 07.1	S01 07.3
05		257 07.3	S01 08.3
06		272 07.5	S01 09.3
07		287 07.7	S01 10.2
08		302 08.0	S01 11.2
09		317 08.2	S01 12.2
10		332 08.4	S01 13.2
11		347 08.6	S01 14.1
12		2 08.8	S01 15.1
13		17 09.0	S01 16.1
14		32 09.2	S01 17.1
15		47 09.5	S01 18.0
16		62 09.7	S01 19.0
17		77 09.9	S01 20.0
18		92 10.1	S01 20.9
19		107 10.3	S01 21.9
20		122 10.5	S01 22.9
21		137 10.7	S01 23.9
22		152 11.0	S01 24.8
23		167 11.2	S01 25.8
00	2023-09-27	182 11.4	S01 26.8
01		197 11.6	S01 27.8
02		212 11.8	S01 28.7
03		227 12.0	S01 29.7
04		242 12.3	S01 30.7
05		257 12.5	S01 31.6
06		272 12.7	S01 32.6
07		287 12.9	S01 33.6
08		302 13.1	S01 34.6
09		317 13.3	S01 35.5
10		332 13.5	S01 36.5
11		347 13.7	S01 37.5
12		2 14.0	S01 38.5
13		17 14.2	S01 39.4
14		32 14.4	S01 40.4
15		47 14.6	S01 41.4
16		62 14.8	S01 42.3
17		77 15.0	S01 43.3
18		92 15.2	S01 44.3
19		107 15.5	S01 45.3
20		122 15.7	S01 46.2
21		137 15.9	S01 47.2
22		152 16.1	S01 48.2
23		167 16.3	S01 49.2
00	2023-09-28	182 16.5	S01 50.1
01		197 16.7	S01 51.1
02		212 16.9	S01 52.1
03		227 17.2	S01 53.0
04		242 17.4	S01 54.0
05		257 17.6	S01 55.0
06		272 17.8	S01 56.0
07		287 18.0	S01 56.9
08		302 18.2	S01 57.9
09		317 18.4	S01 58.9
10		332 18.6	S01 59.8
11		347 18.8	S02 00.8
12		2 19.1	S02 01.8

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
13		17 19.3	S02 02.8
14		32 19.5	S02 03.7
15		47 19.7	S02 04.7
16		62 19.9	S02 05.7
17		77 20.1	S02 06.7
18		92 20.3	S02 07.6
19		107 20.5	S02 08.6
20		122 20.7	S02 09.6
21		137 21.0	S02 10.5
22		152 21.2	S02 11.5
23		167 21.4	S02 12.5
00	2023-09-29	182 21.6	S02 13.5
01		197 21.8	S02 14.4
02		212 22.0	S02 15.4
03		227 22.2	S02 16.4
04		242 22.4	S02 17.3
05		257 22.6	S02 18.3
06		272 22.8	S02 19.3
07		287 23.1	S02 20.3
08		302 23.3	S02 21.2
09		317 23.5	S02 22.2
10		332 23.7	S02 23.2
11		347 23.9	S02 24.1
12		2 24.1	S02 25.1
13		17 24.3	S02 26.1
14		32 24.5	S02 27.1
15		47 24.7	S02 28.0
16		62 24.9	S02 29.0
17		77 25.1	S02 30.0
18		92 25.4	S02 30.9
19		107 25.6	S02 31.9
20		122 25.8	S02 32.9
21		137 26.0	S02 33.9
22		152 26.2	S02 34.8
23		167 26.4	S02 35.8
00	2023-09-30	182 26.6	S02 36.8
01		197 26.8	S02 37.7
02		212 27.0	S02 38.7
03		227 27.2	S02 39.7
04		242 27.4	S02 40.6
05		257 27.6	S02 41.6
06		272 27.8	S02 42.6
07		287 28.0	S02 43.6
08		302 28.3	S02 44.5
09		317 28.5	S02 45.5
10		332 28.7	S02 46.5
11		347 28.9	S02 47.4
12		2 29.1	S02 48.4
13		17 29.3	S02 49.4
14		32 29.5	S02 50.4
15		47 29.7	S02 51.3
16		62 29.9	S02 52.3
17		77 30.1	S02 53.3
18		92 30.3	S02 54.2
19		107 30.5	S02 55.2
20		122 30.7	S02 56.2
21		137 30.9	S02 57.1
22		152 31.1	S02 58.1
23		167 31.3	S02 59.1
00	2023-10-01	182 31.5	S03 00.0
01		197 31.8	S03 01.0
02		212 32.0	S03 02.0

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
03		227 32.2	S03 03.0
04		242 32.4	S03 03.9
05		257 32.6	S03 04.9
06		272 32.8	S03 05.9
07		287 33.0	S03 06.8
08		302 33.2	S03 07.8
09		317 33.4	S03 08.8
10		332 33.6	S03 09.7
11		347 33.8	S03 10.7
12		2 34.0	S03 11.7
13		17 34.2	S03 12.6
14		32 34.4	S03 13.6
15		47 34.6	S03 14.6
16		62 34.8	S03 15.6
17		77 35.0	S03 16.5
18		92 35.2	S03 17.5
19		107 35.4	S03 18.5
20		122 35.6	S03 19.4
21		137 35.8	S03 20.4
22		152 36.0	S03 21.4
23		167 36.2	S03 22.3
00	2023-10-02	182 36.4	S03 23.3
01		197 36.6	S03 24.3
02		212 36.8	S03 25.2
03		227 37.0	S03 26.2
04		242 37.2	S03 27.2
05		257 37.4	S03 28.1
06		272 37.6	S03 29.1
07		287 37.8	S03 30.1
08		302 38.0	S03 31.0
09		317 38.2	S03 32.0
10		332 38.4	S03 33.0
11		347 38.6	S03 33.9
12		2 38.8	S03 34.9
13		17 39.0	S03 35.9
14		32 39.2	S03 36.9
15		47 39.4	S03 37.8
16		62 39.6	S03 38.8
17		77 39.8	S03 39.8
18		92 40.0	S03 40.7
19		107 40.2	S03 41.7
20		122 40.4	S03 42.7
21		137 40.6	S03 43.6
22		152 40.8	S03 44.6
23		167 41.0	S03 45.6
00	2023-10-03	182 41.2	S03 46.5
01		197 41.4	S03 47.5
02		212 41.6	S03 48.5
03		227 41.8	S03 49.4
04		242 42.0	S03 50.4
05		257 42.2	S03 51.4
06		272 42.4	S03 52.3
07		287 42.6	S03 53.3
08		302 42.8	S03 54.3
09		317 43.0	S03 55.2
10		332 43.2	S03 56.2
11		347 43.4	S03 57.1
12		2 43.6	S03 58.1
13		17 43.8	S03 59.1
14		32 44.0	S04 00.0
15		47 44.2	S04 01.0
16		62 44.4	S04 02.0

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
17		77 44.6	S04 02.9
18		92 44.8	S04 03.9
19		107 45.0	S04 04.9
20		122 45.2	S04 05.8
21		137 45.3	S04 06.8
22		152 45.5	S04 07.8
23		167 45.7	S04 08.7
00	2023-10-04	182 45.9	S04 09.7
01		197 46.1	S04 10.7
02		212 46.3	S04 11.6
03		227 46.5	S04 12.6
04		242 46.7	S04 13.6
05		257 46.9	S04 14.5
06		272 47.1	S04 15.5
07		287 47.3	S04 16.4
08		302 47.5	S04 17.4
09		317 47.7	S04 18.4
10		332 47.9	S04 19.3
11		347 48.1	S04 20.3
12		2 48.3	S04 21.3
13		17 48.5	S04 22.2
14		32 48.6	S04 23.2
15		47 48.8	S04 24.2
16		62 49.0	S04 25.1
17		77 49.2	S04 26.1
18		92 49.4	S04 27.0
19		107 49.6	S04 28.0
20		122 49.8	S04 29.0
21		137 50.0	S04 29.9
22		152 50.2	S04 30.9
23		167 50.4	S04 31.9
00	2023-10-05	182 50.6	S04 32.8
01		197 50.8	S04 33.8
02		212 50.9	S04 34.8
03		227 51.1	S04 35.7
04		242 51.3	S04 36.7
05		257 51.5	S04 37.6
06		272 51.7	S04 38.6
07		287 51.9	S04 39.6
08		302 52.1	S04 40.5
09		317 52.3	S04 41.5
10		332 52.5	S04 42.4
11		347 52.7	S04 43.4
12		2 52.8	S04 44.4
13		17 53.0	S04 45.3
14		32 53.2	S04 46.3
15		47 53.4	S04 47.3
16		62 53.6	S04 48.2
17		77 53.8	S04 49.2
18		92 54.0	S04 50.1
19		107 54.2	S04 51.1
20		122 54.3	S04 52.1
21		137 54.5	S04 53.0
22		152 54.7	S04 54.0
23		167 54.9	S04 54.9
00	2023-10-06	182 55.1	S04 55.9
01		197 55.3	S04 56.9
02		212 55.5	S04 57.8
03		227 55.7	S04 58.8
04		242 55.8	S04 59.7
05		257 56.0	S05 00.7
06		272 56.2	S05 01.7

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
07		287 56.4	S05 02.6
08		302 56.6	S05 03.6
09		317 56.8	S05 04.5
10		332 57.0	S05 05.5
11		347 57.1	S05 06.5
12		2 57.3	S05 07.4
13		17 57.5	S05 08.4
14		32 57.7	S05 09.3
15		47 57.9	S05 10.3
16		62 58.1	S05 11.3
17		77 58.2	S05 12.2
18		92 58.4	S05 13.2
19		107 58.6	S05 14.1
20		122 58.8	S05 15.1
21		137 59.0	S05 16.0
22		152 59.2	S05 17.0
23		167 59.3	S05 18.0
00	2023-10-07	182 59.5	S05 18.9
01		197 59.7	S05 19.9
02		212 59.9	S05 20.8
03		228 00.1	S05 21.8
04		243 00.3	S05 22.8
05		258 00.4	S05 23.7
06		273 00.6	S05 24.7
07		288 00.8	S05 25.6
08		303 01.0	S05 26.6
09		318 01.2	S05 27.5
10		333 01.3	S05 28.5
11		348 01.5	S05 29.5
12		3 01.7	S05 30.4
13		18 01.9	S05 31.4
14		33 02.1	S05 32.3
15		48 02.2	S05 33.3
16		63 02.4	S05 34.2
17		78 02.6	S05 35.2
18		93 02.8	S05 36.1
19		108 03.0	S05 37.1
20		123 03.1	S05 38.1
21		138 03.3	S05 39.0
22		153 03.5	S05 40.0
23		168 03.7	S05 40.9
00	2023-10-08	183 03.9	S05 41.9
01		198 04.0	S05 42.8
02		213 04.2	S05 43.8
03		228 04.4	S05 44.7
04		243 04.6	S05 45.7
05		258 04.7	S05 46.6
06		273 04.9	S05 47.6
07		288 05.1	S05 48.6
08		303 05.3	S05 49.5
09		318 05.5	S05 50.5
10		333 05.6	S05 51.4
11		348 05.8	S05 52.4
12		3 06.0	S05 53.3
13		18 06.2	S05 54.3
14		33 06.3	S05 55.2
15		48 06.5	S05 56.2
16		63 06.7	S05 57.1
17		78 06.9	S05 58.1
18		93 07.0	S05 59.0
19		108 07.2	S05 60.0
20		123 07.4	S06 00.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
21		138 07.6	S06 01.9
22		153 07.7	S06 02.9
23		168 07.9	S06 03.8
00	2023-10-09	183 08.1	S06 04.8
01		198 08.3	S06 05.7
02		213 08.4	S06 06.7
03		228 08.6	S06 07.6
04		243 08.8	S06 08.6
05		258 08.9	S06 09.5
06		273 09.1	S06 10.5
07		288 09.3	S06 11.4
08		303 09.5	S06 12.4
09		318 09.6	S06 13.3
10		333 09.8	S06 14.3
11		348 10.0	S06 15.2
12		3 10.2	S06 16.2
13		18 10.3	S06 17.1
14		33 10.5	S06 18.1
15		48 10.7	S06 19.0
16		63 10.8	S06 20.0
17		78 11.0	S06 20.9
18		93 11.2	S06 21.9
19		108 11.3	S06 22.8
20		123 11.5	S06 23.8
21		138 11.7	S06 24.7
22		153 11.9	S06 25.7
23		168 12.0	S06 26.6
00	2023-10-10	183 12.2	S06 27.6
01		198 12.4	S06 28.5
02		213 12.5	S06 29.5
03		228 12.7	S06 30.4
04		243 12.9	S06 31.4
05		258 13.0	S06 32.3
06		273 13.2	S06 33.2
07		288 13.4	S06 34.2
08		303 13.5	S06 35.1
09		318 13.7	S06 36.1
10		333 13.9	S06 37.0
11		348 14.0	S06 38.0
12		3 14.2	S06 38.9
13		18 14.4	S06 39.9
14		33 14.5	S06 40.8
15		48 14.7	S06 41.8
16		63 14.9	S06 42.7
17		78 15.0	S06 43.7
18		93 15.2	S06 44.6
19		108 15.4	S06 45.6
20		123 15.5	S06 46.5
21		138 15.7	S06 47.4
22		153 15.9	S06 48.4
23		168 16.0	S06 49.3
00	2023-10-11	183 16.2	S06 50.3
01		198 16.3	S06 51.2
02		213 16.5	S06 52.2
03		228 16.7	S06 53.1
04		243 16.8	S06 54.1
05		258 17.0	S06 55.0
06		273 17.2	S06 55.9
07		288 17.3	S06 56.9
08		303 17.5	S06 57.8
09		318 17.6	S06 58.8
10		333 17.8	S06 59.7

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
11		348 18.0	S07 00.7
12		3 18.1	S07 01.6
13		18 18.3	S07 02.5
14		33 18.5	S07 03.5
15		48 18.6	S07 04.4
16		63 18.8	S07 05.4
17		78 18.9	S07 06.3
18		93 19.1	S07 07.3
19		108 19.3	S07 08.2
20		123 19.4	S07 09.1
21		138 19.6	S07 10.1
22		153 19.7	S07 11.0
23		168 19.9	S07 12.0
00	2023-10-12	183 20.1	S07 12.9
01		198 20.2	S07 13.9
02		213 20.4	S07 14.8
03		228 20.5	S07 15.7
04		243 20.7	S07 16.7
05		258 20.8	S07 17.6
06		273 21.0	S07 18.6
07		288 21.2	S07 19.5
08		303 21.3	S07 20.4
09		318 21.5	S07 21.4
10		333 21.6	S07 22.3
11		348 21.8	S07 23.2
12		3 21.9	S07 24.2
13		18 22.1	S07 25.1
14		33 22.3	S07 26.1
15		48 22.4	S07 27.0
16		63 22.6	S07 27.9
17		78 22.7	S07 28.9
18		93 22.9	S07 29.8
19		108 23.0	S07 30.8
20		123 23.2	S07 31.7
21		138 23.3	S07 32.6
22		153 23.5	S07 33.6
23		168 23.6	S07 34.5
00	2023-10-13	183 23.8	S07 35.4
01		198 24.0	S07 36.4
02		213 24.1	S07 37.3
03		228 24.3	S07 38.3
04		243 24.4	S07 39.2
05		258 24.6	S07 40.1
06		273 24.7	S07 41.1
07		288 24.9	S07 42.0
08		303 25.0	S07 42.9
09		318 25.2	S07 43.9
10		333 25.3	S07 44.8
11		348 25.5	S07 45.7
12		3 25.6	S07 46.7
13		18 25.8	S07 47.6
14		33 25.9	S07 48.5
15		48 26.1	S07 49.5
16		63 26.2	S07 50.4
17		78 26.4	S07 51.3
18		93 26.5	S07 52.3
19		108 26.7	S07 53.2
20		123 26.8	S07 54.1
21		138 27.0	S07 55.1
22		153 27.1	S07 56.0
23		168 27.3	S07 56.9
00	2023-10-14	183 27.4	S07 57.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
01		198 27.6	S07 58.8
02		213 27.7	S07 59.7
03		228 27.9	S08 00.7
04		243 28.0	S08 01.6
05		258 28.2	S08 02.5
06		273 28.3	S08 03.5
07		288 28.4	S08 04.4
08		303 28.6	S08 05.3
09		318 28.7	S08 06.3
10		333 28.9	S08 07.2
11		348 29.0	S08 08.1
12		3 29.2	S08 09.0
13		18 29.3	S08 10.0
14		33 29.5	S08 10.9
15		48 29.6	S08 11.8
16		63 29.7	S08 12.8
17		78 29.9	S08 13.7
18		93 30.0	S08 14.6
19		108 30.2	S08 15.5
20		123 30.3	S08 16.5
21		138 30.5	S08 17.4
22		153 30.6	S08 18.3
23		168 30.8	S08 19.3
00	2023-10-15	183 30.9	S08 20.2
01		198 31.0	S08 21.1
02		213 31.2	S08 22.0
03		228 31.3	S08 23.0
04		243 31.5	S08 23.9
05		258 31.6	S08 24.8
06		273 31.7	S08 25.7
07		288 31.9	S08 26.7
08		303 32.0	S08 27.6
09		318 32.2	S08 28.5
10		333 32.3	S08 29.5
11		348 32.4	S08 30.4
12		3 32.6	S08 31.3
13		18 32.7	S08 32.2
14		33 32.9	S08 33.2
15		48 33.0	S08 34.1
16		63 33.1	S08 35.0
17		78 33.3	S08 35.9
18		93 33.4	S08 36.9
19		108 33.6	S08 37.8
20		123 33.7	S08 38.7
21		138 33.8	S08 39.6
22		153 34.0	S08 40.5
23		168 34.1	S08 41.5
00	2023-10-16	183 34.2	S08 42.4
01		198 34.4	S08 43.3
02		213 34.5	S08 44.2
03		228 34.6	S08 45.2
04		243 34.8	S08 46.1
05		258 34.9	S08 47.0
06		273 35.1	S08 47.9
07		288 35.2	S08 48.8
08		303 35.3	S08 49.8
09		318 35.5	S08 50.7
10		333 35.6	S08 51.6
11		348 35.7	S08 52.5
12		3 35.9	S08 53.4
13		18 36.0	S08 54.4
14		33 36.1	S08 55.3

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
15		48 36.3	S08 56.2
16		63 36.4	S08 57.1
17		78 36.5	S08 58.0
18		93 36.7	S08 59.0
19		108 36.8	S08 59.9
20		123 36.9	S09 00.8
21		138 37.0	S09 01.7
22		153 37.2	S09 02.6
23		168 37.3	S09 03.5
00	2023-10-17	183 37.4	S09 04.5
01		198 37.6	S09 05.4
02		213 37.7	S09 06.3
03		228 37.8	S09 07.2
04		243 38.0	S09 08.1
05		258 38.1	S09 09.1
06		273 38.2	S09 10.0
07		288 38.3	S09 10.9
08		303 38.5	S09 11.8
09		318 38.6	S09 12.7
10		333 38.7	S09 13.6
11		348 38.9	S09 14.5
12		3 39.0	S09 15.5
13		18 39.1	S09 16.4
14		33 39.2	S09 17.3
15		48 39.4	S09 18.2
16		63 39.5	S09 19.1
17		78 39.6	S09 20.0
18		93 39.7	S09 20.9
19		108 39.9	S09 21.9
20		123 40.0	S09 22.8
21		138 40.1	S09 23.7
22		153 40.2	S09 24.6
23		168 40.4	S09 25.5
00	2023-10-18	183 40.5	S09 26.4
01		198 40.6	S09 27.3
02		213 40.7	S09 28.2
03		228 40.9	S09 29.1
04		243 41.0	S09 30.1
05		258 41.1	S09 31.0
06		273 41.2	S09 31.9
07		288 41.4	S09 32.8
08		303 41.5	S09 33.7
09		318 41.6	S09 34.6
10		333 41.7	S09 35.5
11		348 41.9	S09 36.4
12		3 42.0	S09 37.3
13		18 42.1	S09 38.2
14		33 42.2	S09 39.2
15		48 42.3	S09 40.1
16		63 42.5	S09 41.0
17		78 42.6	S09 41.9
18		93 42.7	S09 42.8
19		108 42.8	S09 43.7
20		123 42.9	S09 44.6
21		138 43.1	S09 45.5
22		153 43.2	S09 46.4
23		168 43.3	S09 47.3
00	2023-10-19	183 43.4	S09 48.2
01		198 43.5	S09 49.1
02		213 43.6	S09 50.0
03		228 43.8	S09 50.9
04		243 43.9	S09 51.8

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
05		258 44.0	S09 52.8
06		273 44.1	S09 53.7
07		288 44.2	S09 54.6
08		303 44.3	S09 55.5
09		318 44.5	S09 56.4
10		333 44.6	S09 57.3
11		348 44.7	S09 58.2
12		3 44.8	S09 59.1
13		18 44.9	S09 60.0
14		33 45.0	S10 00.9
15		48 45.2	S10 01.8
16		63 45.3	S10 02.7
17		78 45.4	S10 03.6
18		93 45.5	S10 04.5
19		108 45.6	S10 05.4
20		123 45.7	S10 06.3
21		138 45.8	S10 07.2
22		153 45.9	S10 08.1
23		168 46.1	S10 09.0
00	2023-10-20	183 46.2	S10 09.9
01		198 46.3	S10 10.8
02		213 46.4	S10 11.7
03		228 46.5	S10 12.6
04		243 46.6	S10 13.5
05		258 46.7	S10 14.4
06		273 46.8	S10 15.3
07		288 46.9	S10 16.2
08		303 47.1	S10 17.1
09		318 47.2	S10 18.0
10		333 47.3	S10 18.9
11		348 47.4	S10 19.8
12		3 47.5	S10 20.7
13		18 47.6	S10 21.6
14		33 47.7	S10 22.5
15		48 47.8	S10 23.4
16		63 47.9	S10 24.3
17		78 48.0	S10 25.1
18		93 48.1	S10 26.0
19		108 48.2	S10 26.9
20		123 48.3	S10 27.8
21		138 48.5	S10 28.7
22		153 48.6	S10 29.6
23		168 48.7	S10 30.5
00	2023-10-21	183 48.8	S10 31.4
01		198 48.9	S10 32.3
02		213 49.0	S10 33.2
03		228 49.1	S10 34.1
04		243 49.2	S10 35.0
05		258 49.3	S10 35.9
06		273 49.4	S10 36.8
07		288 49.5	S10 37.7
08		303 49.6	S10 38.5
09		318 49.7	S10 39.4
10		333 49.8	S10 40.3
11		348 49.9	S10 41.2
12		3 50.0	S10 42.1
13		18 50.1	S10 43.0
14		33 50.2	S10 43.9
15		48 50.3	S10 44.8
16		63 50.4	S10 45.7
17		78 50.5	S10 46.6
18		93 50.6	S10 47.4

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
19		108 50.7	S10 48.3
20		123 50.8	S10 49.2
21		138 50.9	S10 50.1
22		153 51.0	S10 51.0
23		168 51.1	S10 51.9
00	2023-10-22	183 51.2	S10 52.8
01		198 51.3	S10 53.7
02		213 51.4	S10 54.5
03		228 51.5	S10 55.4
04		243 51.6	S10 56.3
05		258 51.7	S10 57.2
06		273 51.8	S10 58.1
07		288 51.9	S10 59.0
08		303 52.0	S10 59.8
09		318 52.1	S11 00.7
10		333 52.2	S11 01.6
11		348 52.3	S11 02.5
12		3 52.4	S11 03.4
13		18 52.5	S11 04.3
14		33 52.6	S11 05.2
15		48 52.7	S11 06.0
16		63 52.8	S11 06.9
17		78 52.9	S11 07.8
18		93 52.9	S11 08.7
19		108 53.0	S11 09.6
20		123 53.1	S11 10.4
21		138 53.2	S11 11.3
22		153 53.3	S11 12.2
23		168 53.4	S11 13.1
00	2023-10-23	183 53.5	S11 14.0
01		198 53.6	S11 14.8
02		213 53.7	S11 15.7
03		228 53.8	S11 16.6
04		243 53.9	S11 17.5
05		258 54.0	S11 18.4
06		273 54.0	S11 19.2
07		288 54.1	S11 20.1
08		303 54.2	S11 21.0
09		318 54.3	S11 21.9
10		333 54.4	S11 22.7
11		348 54.5	S11 23.6
12		3 54.6	S11 24.5
13		18 54.7	S11 25.4
14		33 54.8	S11 26.2
15		48 54.8	S11 27.1
16		63 54.9	S11 28.0
17		78 55.0	S11 28.9
18		93 55.1	S11 29.7
19		108 55.2	S11 30.6
20		123 55.3	S11 31.5
21		138 55.4	S11 32.4
22		153 55.4	S11 33.2
23		168 55.5	S11 34.1
00	2023-10-24	183 55.6	S11 35.0
01		198 55.7	S11 35.9
02		213 55.8	S11 36.7
03		228 55.9	S11 37.6
04		243 56.0	S11 38.5
05		258 56.0	S11 39.3
06		273 56.1	S11 40.2
07		288 56.2	S11 41.1
08		303 56.3	S11 42.0

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
09		318 56.4	S11 42.8
10		333 56.5	S11 43.7
11		348 56.5	S11 44.6
12		3 56.6	S11 45.4
13		18 56.7	S11 46.3
14		33 56.8	S11 47.2
15		48 56.9	S11 48.0
16		63 56.9	S11 48.9
17		78 57.0	S11 49.8
18		93 57.1	S11 50.6
19		108 57.2	S11 51.5
20		123 57.3	S11 52.4
21		138 57.3	S11 53.2
22		153 57.4	S11 54.1
23		168 57.5	S11 55.0
00	2023-10-25	183 57.6	S11 55.8
01		198 57.6	S11 56.7
02		213 57.7	S11 57.6
03		228 57.8	S11 58.4
04		243 57.9	S11 59.3
05		258 58.0	S12 00.1
06		273 58.0	S12 01.0
07		288 58.1	S12 01.9
08		303 58.2	S12 02.7
09		318 58.3	S12 03.6
10		333 58.3	S12 04.5
11		348 58.4	S12 05.3
12		3 58.5	S12 06.2
13		18 58.5	S12 07.0
14		33 58.6	S12 07.9
15		48 58.7	S12 08.8
16		63 58.8	S12 09.6
17		78 58.8	S12 10.5
18		93 58.9	S12 11.3
19		108 59.0	S12 12.2
20		123 59.1	S12 13.1
21		138 59.1	S12 13.9
22		153 59.2	S12 14.8
23		168 59.3	S12 15.6
00	2023-10-26	183 59.3	S12 16.5
01		198 59.4	S12 17.3
02		213 59.5	S12 18.2
03		228 59.6	S12 19.1
04		243 59.6	S12 19.9
05		258 59.7	S12 20.8
06		273 59.8	S12 21.6
07		288 59.8	S12 22.5
08		303 59.9	S12 23.3
09		318 60.0	S12 24.2
10		334 00.0	S12 25.0
11		349 00.1	S12 25.9
12		4 00.2	S12 26.8
13		19 00.2	S12 27.6
14		34 00.3	S12 28.5
15		49 00.4	S12 29.3
16		64 00.4	S12 30.2
17		79 00.5	S12 31.0
18		94 00.6	S12 31.9
19		109 00.6	S12 32.7
20		124 00.7	S12 33.6
21		139 00.7	S12 34.4
22		154 00.8	S12 35.3

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
23		169 00.9	S12 36.1
00	2023-10-27	184 00.9	S12 37.0
01		199 01.0	S12 37.8
02		214 01.1	S12 38.7
03		229 01.1	S12 39.5
04		244 01.2	S12 40.4
05		259 01.2	S12 41.2
06		274 01.3	S12 42.0
07		289 01.4	S12 42.9
08		304 01.4	S12 43.7
09		319 01.5	S12 44.6
10		334 01.5	S12 45.4
11		349 01.6	S12 46.3
12		4 01.7	S12 47.1
13		19 01.7	S12 48.0
14		34 01.8	S12 48.8
15		49 01.8	S12 49.7
16		64 01.9	S12 50.5
17		79 02.0	S12 51.3
18		94 02.0	S12 52.2
19		109 02.1	S12 53.0
20		124 02.1	S12 53.9
21		139 02.2	S12 54.7
22		154 02.2	S12 55.6
23		169 02.3	S12 56.4
00	2023-10-28	184 02.4	S12 57.2
01		199 02.4	S12 58.1
02		214 02.5	S12 58.9
03		229 02.5	S12 59.8
04		244 02.6	S13 00.6
05		259 02.6	S13 01.4
06		274 02.7	S13 02.3
07		289 02.7	S13 03.1
08		304 02.8	S13 04.0
09		319 02.8	S13 04.8
10		334 02.9	S13 05.6
11		349 02.9	S13 06.5
12		4 03.0	S13 07.3
13		19 03.0	S13 08.1
14		34 03.1	S13 09.0
15		49 03.1	S13 09.8
16		64 03.2	S13 10.6
17		79 03.2	S13 11.5
18		94 03.3	S13 12.3
19		109 03.3	S13 13.1
20		124 03.4	S13 14.0
21		139 03.4	S13 14.8
22		154 03.5	S13 15.6
23		169 03.5	S13 16.5
00	2023-10-29	184 03.6	S13 17.3
01		199 03.6	S13 18.1
02		214 03.7	S13 19.0
03		229 03.7	S13 19.8
04		244 03.8	S13 20.6
05		259 03.8	S13 21.5
06		274 03.9	S13 22.3
07		289 03.9	S13 23.1
08		304 03.9	S13 24.0
09		319 04.0	S13 24.8
10		334 04.0	S13 25.6
11		349 04.1	S13 26.4
12		4 04.1	S13 27.3

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
13		19 04.2	S13 28.1
14		34 04.2	S13 28.9
15		49 04.3	S13 29.8
16		64 04.3	S13 30.6
17		79 04.3	S13 31.4
18		94 04.4	S13 32.2
19		109 04.4	S13 33.1
20		124 04.5	S13 33.9
21		139 04.5	S13 34.7
22		154 04.5	S13 35.5
23		169 04.6	S13 36.4
00	2023-10-30	184 04.6	S13 37.2
01		199 04.7	S13 38.0
02		214 04.7	S13 38.8
03		229 04.7	S13 39.6
04		244 04.8	S13 40.5
05		259 04.8	S13 41.3
06		274 04.8	S13 42.1
07		289 04.9	S13 42.9
08		304 04.9	S13 43.8
09		319 05.0	S13 44.6
10		334 05.0	S13 45.4
11		349 05.0	S13 46.2
12		4 05.1	S13 47.0
13		19 05.1	S13 47.8
14		34 05.1	S13 48.7
15		49 05.2	S13 49.5
16		64 05.2	S13 50.3
17		79 05.2	S13 51.1
18		94 05.3	S13 51.9
19		109 05.3	S13 52.8
20		124 05.3	S13 53.6
21		139 05.4	S13 54.4
22		154 05.4	S13 55.2
23		169 05.4	S13 56.0
00	2023-10-31	184 05.5	S13 56.8
01		199 05.5	S13 57.6
02		214 05.5	S13 58.5
03		229 05.6	S13 59.3
04		244 05.6	S14 00.1
05		259 05.6	S14 00.9
06		274 05.6	S14 01.7
07		289 05.7	S14 02.5
08		304 05.7	S14 03.3
09		319 05.7	S14 04.1
10		334 05.8	S14 05.0
11		349 05.8	S14 05.8
12		4 05.8	S14 06.6
13		19 05.8	S14 07.4
14		34 05.9	S14 08.2
15		49 05.9	S14 09.0
16		64 05.9	S14 09.8
17		79 05.9	S14 10.6
18		94 06.0	S14 11.4
19		109 06.0	S14 12.2
20		124 06.0	S14 13.0
21		139 06.0	S14 13.8
22		154 06.1	S14 14.6
23		169 06.1	S14 15.5
00	2023-11-01	184 06.1	S14 16.3
01		199 06.1	S14 17.1
02		214 06.2	S14 17.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
03		229 06.2	S14 18.7
04		244 06.2	S14 19.5
05		259 06.2	S14 20.3
06		274 06.2	S14 21.1
07		289 06.3	S14 21.9
08		304 06.3	S14 22.7
09		319 06.3	S14 23.5
10		334 06.3	S14 24.3
11		349 06.3	S14 25.1
12		4 06.4	S14 25.9
13		19 06.4	S14 26.7
14		34 06.4	S14 27.5
15		49 06.4	S14 28.3
16		64 06.4	S14 29.1
17		79 06.4	S14 29.9
18		94 06.5	S14 30.7
19		109 06.5	S14 31.5
20		124 06.5	S14 32.3
21		139 06.5	S14 33.1
22		154 06.5	S14 33.9
23		169 06.5	S14 34.7
00	2023-11-02	184 06.5	S14 35.5
01		199 06.6	S14 36.3
02		214 06.6	S14 37.1
03		229 06.6	S14 37.8
04		244 06.6	S14 38.6
05		259 06.6	S14 39.4
06		274 06.6	S14 40.2
07		289 06.6	S14 41.0
08		304 06.7	S14 41.8
09		319 06.7	S14 42.6
10		334 06.7	S14 43.4
11		349 06.7	S14 44.2
12		4 06.7	S14 45.0
13		19 06.7	S14 45.8
14		34 06.7	S14 46.6
15		49 06.7	S14 47.4
16		64 06.7	S14 48.1
17		79 06.7	S14 48.9
18		94 06.7	S14 49.7
19		109 06.8	S14 50.5
20		124 06.8	S14 51.3
21		139 06.8	S14 52.1
22		154 06.8	S14 52.9
23		169 06.8	S14 53.7
00	2023-11-03	184 06.8	S14 54.4
01		199 06.8	S14 55.2
02		214 06.8	S14 56.0
03		229 06.8	S14 56.8
04		244 06.8	S14 57.6
05		259 06.8	S14 58.4
06		274 06.8	S14 59.1
07		289 06.8	S14 59.9
08		304 06.8	S15 00.7
09		319 06.8	S15 01.5
10		334 06.8	S15 02.3
11		349 06.8	S15 03.1
12		4 06.8	S15 03.8
13		19 06.8	S15 04.6
14		34 06.8	S15 05.4
15		49 06.8	S15 06.2
16		64 06.8	S15 07.0

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
17		79 06.8	S15 07.7
18		94 06.8	S15 08.5
19		109 06.8	S15 09.3
20		124 06.8	S15 10.1
21		139 06.8	S15 10.8
22		154 06.8	S15 11.6
23		169 06.8	S15 12.4
00	2023-11-04	184 06.8	S15 13.2
01		199 06.8	S15 13.9
02		214 06.8	S15 14.7
03		229 06.8	S15 15.5
04		244 06.8	S15 16.3
05		259 06.8	S15 17.0
06		274 06.8	S15 17.8
07		289 06.8	S15 18.6
08		304 06.8	S15 19.4
09		319 06.8	S15 20.1
10		334 06.8	S15 20.9
11		349 06.8	S15 21.7
12		4 06.8	S15 22.4
13		19 06.8	S15 23.2
14		34 06.7	S15 24.0
15		49 06.7	S15 24.7
16		64 06.7	S15 25.5
17		79 06.7	S15 26.3
18		94 06.7	S15 27.1
19		109 06.7	S15 27.8
20		124 06.7	S15 28.6
21		139 06.7	S15 29.4
22		154 06.7	S15 30.1
23		169 06.7	S15 30.9
00	2023-11-05	184 06.6	S15 31.7
01		199 06.6	S15 32.4
02		214 06.6	S15 33.2
03		229 06.6	S15 33.9
04		244 06.6	S15 34.7
05		259 06.6	S15 35.5
06		274 06.6	S15 36.2
07		289 06.6	S15 37.0
08		304 06.5	S15 37.8
09		319 06.5	S15 38.5
10		334 06.5	S15 39.3
11		349 06.5	S15 40.0
12		4 06.5	S15 40.8
13		19 06.5	S15 41.6
14		34 06.4	S15 42.3
15		49 06.4	S15 43.1
16		64 06.4	S15 43.8
17		79 06.4	S15 44.6
18		94 06.4	S15 45.3
19		109 06.4	S15 46.1
20		124 06.3	S15 46.9
21		139 06.3	S15 47.6
22		154 06.3	S15 48.4
23		169 06.3	S15 49.1
00	2023-11-06	184 06.3	S15 49.9
01		199 06.2	S15 50.6
02		214 06.2	S15 51.4
03		229 06.2	S15 52.1
04		244 06.2	S15 52.9
05		259 06.2	S15 53.6
06		274 06.1	S15 54.4

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
07		289 06.1	S15 55.2
08		304 06.1	S15 55.9
09		319 06.1	S15 56.7
10		334 06.0	S15 57.4
11		349 06.0	S15 58.2
12		4 06.0	S15 58.9
13		19 06.0	S15 59.6
14		34 05.9	S16 00.4
15		49 05.9	S16 01.1
16		64 05.9	S16 01.9
17		79 05.9	S16 02.6
18		94 05.8	S16 03.4
19		109 05.8	S16 04.1
20		124 05.8	S16 04.9
21		139 05.7	S16 05.6
22		154 05.7	S16 06.4
23		169 05.7	S16 07.1
00	2023-11-07	184 05.7	S16 07.9
01		199 05.6	S16 08.6
02		214 05.6	S16 09.3
03		229 05.6	S16 10.1
04		244 05.5	S16 10.8
05		259 05.5	S16 11.6
06		274 05.5	S16 12.3
07		289 05.4	S16 13.0
08		304 05.4	S16 13.8
09		319 05.4	S16 14.5
10		334 05.4	S16 15.3
11		349 05.3	S16 16.0
12		4 05.3	S16 16.7
13		19 05.2	S16 17.5
14		34 05.2	S16 18.2
15		49 05.2	S16 18.9
16		64 05.1	S16 19.7
17		79 05.1	S16 20.4
18		94 05.1	S16 21.2
19		109 05.0	S16 21.9
20		124 05.0	S16 22.6
21		139 05.0	S16 23.4
22		154 04.9	S16 24.1
23		169 04.9	S16 24.8
00	2023-11-08	184 04.9	S16 25.6
01		199 04.8	S16 26.3
02		214 04.8	S16 27.0
03		229 04.7	S16 27.7
04		244 04.7	S16 28.5
05		259 04.7	S16 29.2
06		274 04.6	S16 29.9
07		289 04.6	S16 30.7
08		304 04.5	S16 31.4
09		319 04.5	S16 32.1
10		334 04.4	S16 32.8
11		349 04.4	S16 33.6
12		4 04.4	S16 34.3
13		19 04.3	S16 35.0
14		34 04.3	S16 35.8
15		49 04.2	S16 36.5
16		64 04.2	S16 37.2
17		79 04.1	S16 37.9
18		94 04.1	S16 38.6
19		109 04.1	S16 39.4
20		124 04.0	S16 40.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
21		139 04.0	S16 40.8
22		154 03.9	S16 41.5
23		169 03.9	S16 42.3
00	2023-11-09	184 03.8	S16 43.0
01		199 03.8	S16 43.7
02		214 03.7	S16 44.4
03		229 03.7	S16 45.1
04		244 03.6	S16 45.9
05		259 03.6	S16 46.6
06		274 03.5	S16 47.3
07		289 03.5	S16 48.0
08		304 03.4	S16 48.7
09		319 03.4	S16 49.4
10		334 03.3	S16 50.2
11		349 03.3	S16 50.9
12		4 03.2	S16 51.6
13		19 03.2	S16 52.3
14		34 03.1	S16 53.0
15		49 03.1	S16 53.7
16		64 03.0	S16 54.4
17		79 03.0	S16 55.2
18		94 02.9	S16 55.9
19		109 02.9	S16 56.6
20		124 02.8	S16 57.3
21		139 02.8	S16 58.0
22		154 02.7	S16 58.7
23		169 02.6	S16 59.4
00	2023-11-10	184 02.6	S17 00.1
01		199 02.5	S17 00.8
02		214 02.5	S17 01.5
03		229 02.4	S17 02.2
04		244 02.4	S17 03.0
05		259 02.3	S17 03.7
06		274 02.2	S17 04.4
07		289 02.2	S17 05.1
08		304 02.1	S17 05.8
09		319 02.1	S17 06.5
10		334 02.0	S17 07.2
11		349 01.9	S17 07.9
12		4 01.9	S17 08.6
13		19 01.8	S17 09.3
14		34 01.8	S17 10.0
15		49 01.7	S17 10.7
16		64 01.6	S17 11.4
17		79 01.6	S17 12.1
18		94 01.5	S17 12.8
19		109 01.4	S17 13.5
20		124 01.4	S17 14.2
21		139 01.3	S17 14.9
22		154 01.3	S17 15.6
23		169 01.2	S17 16.3
00	2023-11-11	184 01.1	S17 17.0
01		199 01.1	S17 17.7
02		214 01.0	S17 18.4
03		229 00.9	S17 19.1
04		244 00.9	S17 19.8
05		259 00.8	S17 20.5
06		274 00.7	S17 21.2
07		289 00.7	S17 21.8
08		304 00.6	S17 22.5
09		319 00.5	S17 23.2
10		334 00.5	S17 23.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
11		349 00.4	S17 24.6
12		4 00.3	S17 25.3
13		19 00.3	S17 26.0
14		34 00.2	S17 26.7
15		49 00.1	S17 27.4
16		64 00.0	S17 28.1
17		78 60.0	S17 28.7
18		93 59.9	S17 29.4
19		108 59.8	S17 30.1
20		123 59.8	S17 30.8
21		138 59.7	S17 31.5
22		153 59.6	S17 32.2
23		168 59.5	S17 32.9
00	2023-11-12	183 59.5	S17 33.5
01		198 59.4	S17 34.2
02		213 59.3	S17 34.9
03		228 59.2	S17 35.6
04		243 59.2	S17 36.3
05		258 59.1	S17 37.0
06		273 59.0	S17 37.6
07		288 58.9	S17 38.3
08		303 58.9	S17 39.0
09		318 58.8	S17 39.7
10		333 58.7	S17 40.4
11		348 58.6	S17 41.0
12		3 58.5	S17 41.7
13		18 58.5	S17 42.4
14		33 58.4	S17 43.1
15		48 58.3	S17 43.7
16		63 58.2	S17 44.4
17		78 58.1	S17 45.1
18		93 58.1	S17 45.8
19		108 58.0	S17 46.4
20		123 57.9	S17 47.1
21		138 57.8	S17 47.8
22		153 57.7	S17 48.5
23		168 57.7	S17 49.1
00	2023-11-13	183 57.6	S17 49.8
01		198 57.5	S17 50.5
02		213 57.4	S17 51.1
03		228 57.3	S17 51.8
04		243 57.2	S17 52.5
05		258 57.2	S17 53.2
06		273 57.1	S17 53.8
07		288 57.0	S17 54.5
08		303 56.9	S17 55.2
09		318 56.8	S17 55.8
10		333 56.7	S17 56.5
11		348 56.6	S17 57.2
12		3 56.6	S17 57.8
13		18 56.5	S17 58.5
14		33 56.4	S17 59.1
15		48 56.3	S17 59.8
16		63 56.2	S18 00.5
17		78 56.1	S18 01.1
18		93 56.0	S18 01.8
19		108 55.9	S18 02.5
20		123 55.8	S18 03.1
21		138 55.7	S18 03.8
22		153 55.7	S18 04.4
23		168 55.6	S18 05.1
00	2023-11-14	183 55.5	S18 05.8

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
01		198 55.4	S18 06.4
02		213 55.3	S18 07.1
03		228 55.2	S18 07.7
04		243 55.1	S18 08.4
05		258 55.0	S18 09.0
06		273 54.9	S18 09.7
07		288 54.8	S18 10.3
08		303 54.7	S18 11.0
09		318 54.6	S18 11.7
10		333 54.5	S18 12.3
11		348 54.4	S18 13.0
12		3 54.3	S18 13.6
13		18 54.3	S18 14.3
14		33 54.2	S18 14.9
15		48 54.1	S18 15.6
16		63 54.0	S18 16.2
17		78 53.9	S18 16.9
18		93 53.8	S18 17.5
19		108 53.7	S18 18.2
20		123 53.6	S18 18.8
21		138 53.5	S18 19.4
22		153 53.4	S18 20.1
23		168 53.3	S18 20.7
00	2023-11-15	183 53.2	S18 21.4
01		198 53.1	S18 22.0
02		213 53.0	S18 22.7
03		228 52.9	S18 23.3
04		243 52.8	S18 24.0
05		258 52.7	S18 24.6
06		273 52.6	S18 25.2
07		288 52.5	S18 25.9
08		303 52.3	S18 26.5
09		318 52.2	S18 27.2
10		333 52.1	S18 27.8
11		348 52.0	S18 28.4
12		3 51.9	S18 29.1
13		18 51.8	S18 29.7
14		33 51.7	S18 30.4
15		48 51.6	S18 31.0
16		63 51.5	S18 31.6
17		78 51.4	S18 32.3
18		93 51.3	S18 32.9
19		108 51.2	S18 33.5
20		123 51.1	S18 34.2
21		138 51.0	S18 34.8
22		153 50.9	S18 35.4
23		168 50.8	S18 36.1
00	2023-11-16	183 50.6	S18 36.7
01		198 50.5	S18 37.3
02		213 50.4	S18 38.0
03		228 50.3	S18 38.6
04		243 50.2	S18 39.2
05		258 50.1	S18 39.8
06		273 50.0	S18 40.5
07		288 49.9	S18 41.1
08		303 49.8	S18 41.7
09		318 49.6	S18 42.4
10		333 49.5	S18 43.0
11		348 49.4	S18 43.6
12		3 49.3	S18 44.2
13		18 49.2	S18 44.9
14		33 49.1	S18 45.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
15		48 49.0	S18 46.1
16		63 48.9	S18 46.7
17		78 48.7	S18 47.3
18		93 48.6	S18 48.0
19		108 48.5	S18 48.6
20		123 48.4	S18 49.2
21		138 48.3	S18 49.8
22		153 48.2	S18 50.4
23		168 48.0	S18 51.1
00	2023-11-17	183 47.9	S18 51.7
01		198 47.8	S18 52.3
02		213 47.7	S18 52.9
03		228 47.6	S18 53.5
04		243 47.4	S18 54.1
05		258 47.3	S18 54.8
06		273 47.2	S18 55.4
07		288 47.1	S18 56.0
08		303 47.0	S18 56.6
09		318 46.8	S18 57.2
10		333 46.7	S18 57.8
11		348 46.6	S18 58.4
12		3 46.5	S18 59.0
13		18 46.4	S18 59.6
14		33 46.2	S19 00.3
15		48 46.1	S19 00.9
16		63 46.0	S19 01.5
17		78 45.9	S19 02.1
18		93 45.7	S19 02.7
19		108 45.6	S19 03.3
20		123 45.5	S19 03.9
21		138 45.4	S19 04.5
22		153 45.2	S19 05.1
23		168 45.1	S19 05.7
00	2023-11-18	183 45.0	S19 06.3
01		198 44.9	S19 06.9
02		213 44.7	S19 07.5
03		228 44.6	S19 08.1
04		243 44.5	S19 08.7
05		258 44.3	S19 09.3
06		273 44.2	S19 09.9
07		288 44.1	S19 10.5
08		303 44.0	S19 11.1
09		318 43.8	S19 11.7
10		333 43.7	S19 12.3
11		348 43.6	S19 12.9
12		3 43.4	S19 13.5
13		18 43.3	S19 14.1
14		33 43.2	S19 14.7
15		48 43.0	S19 15.3
16		63 42.9	S19 15.9
17		78 42.8	S19 16.5
18		93 42.7	S19 17.1
19		108 42.5	S19 17.7
20		123 42.4	S19 18.3
21		138 42.3	S19 18.9
22		153 42.1	S19 19.4
23		168 42.0	S19 20.0
00	2023-11-19	183 41.8	S19 20.6
01		198 41.7	S19 21.2
02		213 41.6	S19 21.8
03		228 41.4	S19 22.4
04		243 41.3	S19 23.0

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
05		258 41.2	S19 23.6
06		273 41.0	S19 24.1
07		288 40.9	S19 24.7
08		303 40.8	S19 25.3
09		318 40.6	S19 25.9
10		333 40.5	S19 26.5
11		348 40.3	S19 27.1
12		3 40.2	S19 27.6
13		18 40.1	S19 28.2
14		33 39.9	S19 28.8
15		48 39.8	S19 29.4
16		63 39.6	S19 30.0
17		78 39.5	S19 30.5
18		93 39.4	S19 31.1
19		108 39.2	S19 31.7
20		123 39.1	S19 32.3
21		138 38.9	S19 32.8
22		153 38.8	S19 33.4
23		168 38.7	S19 34.0
00	2023-11-20	183 38.5	S19 34.6
01		198 38.4	S19 35.1
02		213 38.2	S19 35.7
03		228 38.1	S19 36.3
04		243 37.9	S19 36.9
05		258 37.8	S19 37.4
06		273 37.6	S19 38.0
07		288 37.5	S19 38.6
08		303 37.4	S19 39.1
09		318 37.2	S19 39.7
10		333 37.1	S19 40.3
11		348 36.9	S19 40.8
12		3 36.8	S19 41.4
13		18 36.6	S19 42.0
14		33 36.5	S19 42.5
15		48 36.3	S19 43.1
16		63 36.2	S19 43.7
17		78 36.0	S19 44.2
18		93 35.9	S19 44.8
19		108 35.7	S19 45.4
20		123 35.6	S19 45.9
21		138 35.4	S19 46.5
22		153 35.3	S19 47.1
23		168 35.1	S19 47.6
00	2023-11-21	183 35.0	S19 48.2
01		198 34.8	S19 48.7
02		213 34.7	S19 49.3
03		228 34.5	S19 49.8
04		243 34.4	S19 50.4
05		258 34.2	S19 51.0
06		273 34.1	S19 51.5
07		288 33.9	S19 52.1
08		303 33.7	S19 52.6
09		318 33.6	S19 53.2
10		333 33.4	S19 53.7
11		348 33.3	S19 54.3
12		3 33.1	S19 54.8
13		18 33.0	S19 55.4
14		33 32.8	S19 55.9
15		48 32.7	S19 56.5
16		63 32.5	S19 57.0
17		78 32.3	S19 57.6
18		93 32.2	S19 58.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
19		108 32.0	S19 58.7
20		123 31.9	S19 59.2
21		138 31.7	S19 59.8
22		153 31.6	S20 00.3
23		168 31.4	S20 00.9
00	2023-11-22	183 31.2	S20 01.4
01		198 31.1	S20 01.9
02		213 30.9	S20 02.5
03		228 30.8	S20 03.0
04		243 30.6	S20 03.6
05		258 30.4	S20 04.1
06		273 30.3	S20 04.7
07		288 30.1	S20 05.2
08		303 29.9	S20 05.7
09		318 29.8	S20 06.3
10		333 29.6	S20 06.8
11		348 29.5	S20 07.3
12		3 29.3	S20 07.9
13		18 29.1	S20 08.4
14		33 29.0	S20 09.0
15		48 28.8	S20 09.5
16		63 28.6	S20 10.0
17		78 28.5	S20 10.6
18		93 28.3	S20 11.1
19		108 28.1	S20 11.6
20		123 28.0	S20 12.2
21		138 27.8	S20 12.7
22		153 27.6	S20 13.2
23		168 27.5	S20 13.7
00	2023-11-23	183 27.3	S20 14.3
01		198 27.1	S20 14.8
02		213 27.0	S20 15.3
03		228 26.8	S20 15.9
04		243 26.6	S20 16.4
05		258 26.5	S20 16.9
06		273 26.3	S20 17.4
07		288 26.1	S20 18.0
08		303 26.0	S20 18.5
09		318 25.8	S20 19.0
10		333 25.6	S20 19.5
11		348 25.4	S20 20.0
12		3 25.3	S20 20.6
13		18 25.1	S20 21.1
14		33 24.9	S20 21.6
15		48 24.8	S20 22.1
16		63 24.6	S20 22.6
17		78 24.4	S20 23.2
18		93 24.2	S20 23.7
19		108 24.1	S20 24.2
20		123 23.9	S20 24.7
21		138 23.7	S20 25.2
22		153 23.5	S20 25.7
23		168 23.4	S20 26.3
00	2023-11-24	183 23.2	S20 26.8
01		198 23.0	S20 27.3
02		213 22.8	S20 27.8
03		228 22.7	S20 28.3
04		243 22.5	S20 28.8
05		258 22.3	S20 29.3
06		273 22.1	S20 29.8
07		288 21.9	S20 30.3
08		303 21.8	S20 30.8

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
09		318 21.6	S20 31.4
10		333 21.4	S20 31.9
11		348 21.2	S20 32.4
12		3 21.1	S20 32.9
13		18 20.9	S20 33.4
14		33 20.7	S20 33.9
15		48 20.5	S20 34.4
16		63 20.3	S20 34.9
17		78 20.2	S20 35.4
18		93 20.0	S20 35.9
19		108 19.8	S20 36.4
20		123 19.6	S20 36.9
21		138 19.4	S20 37.4
22		153 19.2	S20 37.9
23		168 19.1	S20 38.4
00	2023-11-25	183 18.9	S20 38.9
01		198 18.7	S20 39.4
02		213 18.5	S20 39.9
03		228 18.3	S20 40.4
04		243 18.1	S20 40.9
05		258 18.0	S20 41.4
06		273 17.8	S20 41.8
07		288 17.6	S20 42.3
08		303 17.4	S20 42.8
09		318 17.2	S20 43.3
10		333 17.0	S20 43.8
11		348 16.8	S20 44.3
12		3 16.6	S20 44.8
13		18 16.5	S20 45.3
14		33 16.3	S20 45.8
15		48 16.1	S20 46.3
16		63 15.9	S20 46.7
17		78 15.7	S20 47.2
18		93 15.5	S20 47.7
19		108 15.3	S20 48.2
20		123 15.1	S20 48.7
21		138 14.9	S20 49.2
22		153 14.8	S20 49.6
23		168 14.6	S20 50.1
00	2023-11-26	183 14.4	S20 50.6
01		198 14.2	S20 51.1
02		213 14.0	S20 51.6
03		228 13.8	S20 52.0
04		243 13.6	S20 52.5
05		258 13.4	S20 53.0
06		273 13.2	S20 53.5
07		288 13.0	S20 54.0
08		303 12.8	S20 54.4
09		318 12.6	S20 54.9
10		333 12.4	S20 55.4
11		348 12.3	S20 55.9
12		3 12.1	S20 56.3
13		18 11.9	S20 56.8
14		33 11.7	S20 57.3
15		48 11.5	S20 57.7
16		63 11.3	S20 58.2
17		78 11.1	S20 58.7
18		93 10.9	S20 59.2
19		108 10.7	S20 59.6
20		123 10.5	S21 00.1
21		138 10.3	S21 00.6
22		153 10.1	S21 01.0

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
23		168 09.9	S21 01.5
00	2023-11-27	183 09.7	S21 02.0
01		198 09.5	S21 02.4
02		213 09.3	S21 02.9
03		228 09.1	S21 03.3
04		243 08.9	S21 03.8
05		258 08.7	S21 04.3
06		273 08.5	S21 04.7
07		288 08.3	S21 05.2
08		303 08.1	S21 05.6
09		318 07.9	S21 06.1
10		333 07.7	S21 06.6
11		348 07.5	S21 07.0
12		3 07.3	S21 07.5
13		18 07.1	S21 07.9
14		33 06.9	S21 08.4
15		48 06.7	S21 08.8
16		63 06.5	S21 09.3
17		78 06.3	S21 09.8
18		93 06.1	S21 10.2
19		108 05.9	S21 10.7
20		123 05.7	S21 11.1
21		138 05.4	S21 11.6
22		153 05.2	S21 12.0
23		168 05.0	S21 12.5
00	2023-11-28	183 04.8	S21 12.9
01		198 04.6	S21 13.4
02		213 04.4	S21 13.8
03		228 04.2	S21 14.2
04		243 04.0	S21 14.7
05		258 03.8	S21 15.1
06		273 03.6	S21 15.6
07		288 03.4	S21 16.0
08		303 03.2	S21 16.5
09		318 03.0	S21 16.9
10		333 02.7	S21 17.3
11		348 02.5	S21 17.8
12		3 02.3	S21 18.2
13		18 02.1	S21 18.7
14		33 01.9	S21 19.1
15		48 01.7	S21 19.5
16		63 01.5	S21 20.0
17		78 01.3	S21 20.4
18		93 01.1	S21 20.9
19		108 00.8	S21 21.3
20		123 00.6	S21 21.7
21		138 00.4	S21 22.2
22		153 00.2	S21 22.6
23		167 60.0	S21 23.0
00	2023-11-29	182 59.8	S21 23.5
01		197 59.6	S21 23.9
02		212 59.4	S21 24.3
03		227 59.1	S21 24.7
04		242 58.9	S21 25.2
05		257 58.7	S21 25.6
06		272 58.5	S21 26.0
07		287 58.3	S21 26.5
08		302 58.1	S21 26.9
09		317 57.8	S21 27.3
10		332 57.6	S21 27.7
11		347 57.4	S21 28.2
12		2 57.2	S21 28.6

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
13		17 57.0	S21 29.0
14		32 56.8	S21 29.4
15		47 56.5	S21 29.8
16		62 56.3	S21 30.3
17		77 56.1	S21 30.7
18		92 55.9	S21 31.1
19		107 55.7	S21 31.5
20		122 55.4	S21 31.9
21		137 55.2	S21 32.4
22		152 55.0	S21 32.8
23		167 54.8	S21 33.2
00	2023-11-30	182 54.6	S21 33.6
01		197 54.3	S21 34.0
02		212 54.1	S21 34.4
03		227 53.9	S21 34.8
04		242 53.7	S21 35.3
05		257 53.5	S21 35.7
06		272 53.2	S21 36.1
07		287 53.0	S21 36.5
08		302 52.8	S21 36.9
09		317 52.6	S21 37.3
10		332 52.3	S21 37.7
11		347 52.1	S21 38.1
12		2 51.9	S21 38.5
13		17 51.7	S21 38.9
14		32 51.4	S21 39.3
15		47 51.2	S21 39.7
16		62 51.0	S21 40.1
17		77 50.8	S21 40.5
18		92 50.5	S21 40.9
19		107 50.3	S21 41.3
20		122 50.1	S21 41.7
21		137 49.9	S21 42.1
22		152 49.6	S21 42.5
23		167 49.4	S21 42.9
00	2023-12-01	182 49.2	S21 43.3
01		197 48.9	S21 43.7
02		212 48.7	S21 44.1
03		227 48.5	S21 44.5
04		242 48.3	S21 44.9
05		257 48.0	S21 45.3
06		272 47.8	S21 45.7
07		287 47.6	S21 46.1
08		302 47.3	S21 46.5
09		317 47.1	S21 46.9
10		332 46.9	S21 47.3
11		347 46.6	S21 47.7
12		2 46.4	S21 48.1
13		17 46.2	S21 48.4
14		32 45.9	S21 48.8
15		47 45.7	S21 49.2
16		62 45.5	S21 49.6
17		77 45.2	S21 50.0
18		92 45.0	S21 50.4
19		107 44.8	S21 50.8
20		122 44.5	S21 51.1
21		137 44.3	S21 51.5
22		152 44.1	S21 51.9
23		167 43.8	S21 52.3
00	2023-12-02	182 43.6	S21 52.7
01		197 43.4	S21 53.0
02		212 43.1	S21 53.4

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
03		227 42.9	S21 53.8
04		242 42.7	S21 54.2
05		257 42.4	S21 54.6
06		272 42.2	S21 54.9
07		287 42.0	S21 55.3
08		302 41.7	S21 55.7
09		317 41.5	S21 56.1
10		332 41.2	S21 56.4
11		347 41.0	S21 56.8
12		2 40.8	S21 57.2
13		17 40.5	S21 57.5
14		32 40.3	S21 57.9
15		47 40.1	S21 58.3
16		62 39.8	S21 58.7
17		77 39.6	S21 59.0
18		92 39.3	S21 59.4
19		107 39.1	S21 59.8
20		122 38.9	S22 00.1
21		137 38.6	S22 00.5
22		152 38.4	S22 00.8
23		167 38.1	S22 01.2
00	2023-12-03	182 37.9	S22 01.6
01		197 37.6	S22 01.9
02		212 37.4	S22 02.3
03		227 37.2	S22 02.7
04		242 36.9	S22 03.0
05		257 36.7	S22 03.4
06		272 36.4	S22 03.7
07		287 36.2	S22 04.1
08		302 35.9	S22 04.5
09		317 35.7	S22 04.8
10		332 35.5	S22 05.2
11		347 35.2	S22 05.5
12		2 35.0	S22 05.9
13		17 34.7	S22 06.2
14		32 34.5	S22 06.6
15		47 34.2	S22 06.9
16		62 34.0	S22 07.3
17		77 33.7	S22 07.6
18		92 33.5	S22 08.0
19		107 33.2	S22 08.3
20		122 33.0	S22 08.7
21		137 32.7	S22 09.0
22		152 32.5	S22 09.4
23		167 32.3	S22 09.7
00	2023-12-04	182 32.0	S22 10.1
01		197 31.8	S22 10.4
02		212 31.5	S22 10.7
03		227 31.3	S22 11.1
04		242 31.0	S22 11.4
05		257 30.8	S22 11.8
06		272 30.5	S22 12.1
07		287 30.3	S22 12.5
08		302 30.0	S22 12.8
09		317 29.8	S22 13.1
10		332 29.5	S22 13.5
11		347 29.3	S22 13.8
12		2 29.0	S22 14.1
13		17 28.8	S22 14.5
14		32 28.5	S22 14.8
15		47 28.3	S22 15.1
16		62 28.0	S22 15.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
17		77 27.7	S22 15.8
18		92 27.5	S22 16.1
19		107 27.2	S22 16.5
20		122 27.0	S22 16.8
21		137 26.7	S22 17.1
22		152 26.5	S22 17.5
23		167 26.2	S22 17.8
00	2023-12-05	182 26.0	S22 18.1
01		197 25.7	S22 18.4
02		212 25.5	S22 18.8
03		227 25.2	S22 19.1
04		242 25.0	S22 19.4
05		257 24.7	S22 19.7
06		272 24.4	S22 20.1
07		287 24.2	S22 20.4
08		302 23.9	S22 20.7
09		317 23.7	S22 21.0
10		332 23.4	S22 21.3
11		347 23.2	S22 21.7
12		2 22.9	S22 22.0
13		17 22.6	S22 22.3
14		32 22.4	S22 22.6
15		47 22.1	S22 22.9
16		62 21.9	S22 23.3
17		77 21.6	S22 23.6
18		92 21.4	S22 23.9
19		107 21.1	S22 24.2
20		122 20.8	S22 24.5
21		137 20.6	S22 24.8
22		152 20.3	S22 25.1
23		167 20.1	S22 25.4
00	2023-12-06	182 19.8	S22 25.7
01		197 19.5	S22 26.1
02		212 19.3	S22 26.4
03		227 19.0	S22 26.7
04		242 18.8	S22 27.0
05		257 18.5	S22 27.3
06		272 18.2	S22 27.6
07		287 18.0	S22 27.9
08		302 17.7	S22 28.2
09		317 17.4	S22 28.5
10		332 17.2	S22 28.8
11		347 16.9	S22 29.1
12		2 16.7	S22 29.4
13		17 16.4	S22 29.7
14		32 16.1	S22 30.0
15		47 15.9	S22 30.3
16		62 15.6	S22 30.6
17		77 15.3	S22 30.9
18		92 15.1	S22 31.2
19		107 14.8	S22 31.5
20		122 14.5	S22 31.8
21		137 14.3	S22 32.1
22		152 14.0	S22 32.4
23		167 13.7	S22 32.6
00	2023-12-07	182 13.5	S22 32.9
01		197 13.2	S22 33.2
02		212 12.9	S22 33.5
03		227 12.7	S22 33.8
04		242 12.4	S22 34.1
05		257 12.1	S22 34.4
06		272 11.9	S22 34.7

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
07		287 11.6	S22 34.9
08		302 11.3	S22 35.2
09		317 11.1	S22 35.5
10		332 10.8	S22 35.8
11		347 10.5	S22 36.1
12		2 10.3	S22 36.4
13		17 10.0	S22 36.6
14		32 09.7	S22 36.9
15		47 09.5	S22 37.2
16		62 09.2	S22 37.5
17		77 08.9	S22 37.8
18		92 08.6	S22 38.0
19		107 08.4	S22 38.3
20		122 08.1	S22 38.6
21		137 07.8	S22 38.9
22		152 07.6	S22 39.1
23		167 07.3	S22 39.4
00	2023-12-08	182 07.0	S22 39.7
01		197 06.8	S22 40.0
02		212 06.5	S22 40.2
03		227 06.2	S22 40.5
04		242 05.9	S22 40.8
05		257 05.7	S22 41.0
06		272 05.4	S22 41.3
07		287 05.1	S22 41.6
08		302 04.8	S22 41.8
09		317 04.6	S22 42.1
10		332 04.3	S22 42.4
11		347 04.0	S22 42.6
12		2 03.7	S22 42.9
13		17 03.5	S22 43.2
14		32 03.2	S22 43.4
15		47 02.9	S22 43.7
16		62 02.7	S22 43.9
17		77 02.4	S22 44.2
18		92 02.1	S22 44.5
19		107 01.8	S22 44.7
20		122 01.6	S22 45.0
21		137 01.3	S22 45.2
22		152 01.0	S22 45.5
23		167 00.7	S22 45.7
00	2023-12-09	182 00.4	S22 46.0
01		197 00.2	S22 46.2
02		211 59.9	S22 46.5
03		226 59.6	S22 46.7
04		241 59.3	S22 47.0
05		256 59.1	S22 47.2
06		271 58.8	S22 47.5
07		286 58.5	S22 47.7
08		301 58.2	S22 48.0
09		316 57.9	S22 48.2
10		331 57.7	S22 48.5
11		346 57.4	S22 48.7
12		1 57.1	S22 49.0
13		16 56.8	S22 49.2
14		31 56.6	S22 49.5
15		46 56.3	S22 49.7
16		61 56.0	S22 49.9
17		76 55.7	S22 50.2
18		91 55.4	S22 50.4
19		106 55.2	S22 50.7
20		121 54.9	S22 50.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
21		136 54.6	S22 51.1
22		151 54.3	S22 51.4
23		166 54.0	S22 51.6
00	2023-12-10	181 53.7	S22 51.8
01		196 53.5	S22 52.1
02		211 53.2	S22 52.3
03		226 52.9	S22 52.6
04		241 52.6	S22 52.8
05		256 52.3	S22 53.0
06		271 52.1	S22 53.2
07		286 51.8	S22 53.5
08		301 51.5	S22 53.7
09		316 51.2	S22 53.9
10		331 50.9	S22 54.2
11		346 50.6	S22 54.4
12		1 50.4	S22 54.6
13		16 50.1	S22 54.8
14		31 49.8	S22 55.1
15		46 49.5	S22 55.3
16		61 49.2	S22 55.5
17		76 48.9	S22 55.7
18		91 48.7	S22 55.9
19		106 48.4	S22 56.2
20		121 48.1	S22 56.4
21		136 47.8	S22 56.6
22		151 47.5	S22 56.8
23		166 47.2	S22 57.0
00	2023-12-11	181 46.9	S22 57.3
01		196 46.7	S22 57.5
02		211 46.4	S22 57.7
03		226 46.1	S22 57.9
04		241 45.8	S22 58.1
05		256 45.5	S22 58.3
06		271 45.2	S22 58.5
07		286 44.9	S22 58.8
08		301 44.6	S22 59.0
09		316 44.4	S22 59.2
10		331 44.1	S22 59.4
11		346 43.8	S22 59.6
12		1 43.5	S22 59.8
13		16 43.2	S22 60.0
14		31 42.9	S23 00.2
15		46 42.6	S23 00.4
16		61 42.3	S23 00.6
17		76 42.1	S23 00.8
18		91 41.8	S23 01.0
19		106 41.5	S23 01.2
20		121 41.2	S23 01.4
21		136 40.9	S23 01.6
22		151 40.6	S23 01.8
23		166 40.3	S23 02.0
00	2023-12-12	181 40.0	S23 02.2
01		196 39.7	S23 02.4
02		211 39.4	S23 02.6
03		226 39.2	S23 02.8
04		241 38.9	S23 03.0
05		256 38.6	S23 03.2
06		271 38.3	S23 03.4
07		286 38.0	S23 03.6
08		301 37.7	S23 03.8
09		316 37.4	S23 04.0
10		331 37.1	S23 04.1

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
11		346 36.8	S23 04.3
12		1 36.5	S23 04.5
13		16 36.2	S23 04.7
14		31 36.0	S23 04.9
15		46 35.7	S23 05.1
16		61 35.4	S23 05.3
17		76 35.1	S23 05.4
18		91 34.8	S23 05.6
19		106 34.5	S23 05.8
20		121 34.2	S23 06.0
21		136 33.9	S23 06.2
22		151 33.6	S23 06.4
23		166 33.3	S23 06.5
00	2023-12-13	181 33.0	S23 06.7
01		196 32.7	S23 06.9
02		211 32.4	S23 07.1
03		226 32.1	S23 07.2
04		241 31.8	S23 07.4
05		256 31.6	S23 07.6
06		271 31.3	S23 07.8
07		286 31.0	S23 07.9
08		301 30.7	S23 08.1
09		316 30.4	S23 08.3
10		331 30.1	S23 08.4
11		346 29.8	S23 08.6
12		1 29.5	S23 08.8
13		16 29.2	S23 09.0
14		31 28.9	S23 09.1
15		46 28.6	S23 09.3
16		61 28.3	S23 09.5
17		76 28.0	S23 09.6
18		91 27.7	S23 09.8
19		106 27.4	S23 09.9
20		121 27.1	S23 10.1
21		136 26.8	S23 10.3
22		151 26.5	S23 10.4
23		166 26.2	S23 10.6
00	2023-12-14	181 25.9	S23 10.7
01		196 25.6	S23 10.9
02		211 25.3	S23 11.1
03		226 25.0	S23 11.2
04		241 24.7	S23 11.4
05		256 24.4	S23 11.5
06		271 24.2	S23 11.7
07		286 23.9	S23 11.8
08		301 23.6	S23 12.0
09		316 23.3	S23 12.1
10		331 23.0	S23 12.3
11		346 22.7	S23 12.4
12		1 22.4	S23 12.6
13		16 22.1	S23 12.7
14		31 21.8	S23 12.9
15		46 21.5	S23 13.0
16		61 21.2	S23 13.2
17		76 20.9	S23 13.3
18		91 20.6	S23 13.5
19		106 20.3	S23 13.6
20		121 20.0	S23 13.8
21		136 19.7	S23 13.9
22		151 19.4	S23 14.0
23		166 19.1	S23 14.2
00	2023-12-15	181 18.8	S23 14.3

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
01		196 18.5	S23 14.5
02		211 18.2	S23 14.6
03		226 17.9	S23 14.7
04		241 17.6	S23 14.9
05		256 17.3	S23 15.0
06		271 17.0	S23 15.1
07		286 16.7	S23 15.3
08		301 16.4	S23 15.4
09		316 16.1	S23 15.5
10		331 15.8	S23 15.7
11		346 15.5	S23 15.8
12		1 15.2	S23 15.9
13		16 14.9	S23 16.1
14		31 14.6	S23 16.2
15		46 14.3	S23 16.3
16		61 14.0	S23 16.5
17		76 13.7	S23 16.6
18		91 13.4	S23 16.7
19		106 13.0	S23 16.8
20		121 12.7	S23 17.0
21		136 12.4	S23 17.1
22		151 12.1	S23 17.2
23		166 11.8	S23 17.3
00	2023-12-16	181 11.5	S23 17.4
01		196 11.2	S23 17.6
02		211 10.9	S23 17.7
03		226 10.6	S23 17.8
04		241 10.3	S23 17.9
05		256 10.0	S23 18.0
06		271 09.7	S23 18.1
07		286 09.4	S23 18.3
08		301 09.1	S23 18.4
09		316 08.8	S23 18.5
10		331 08.5	S23 18.6
11		346 08.2	S23 18.7
12		1 07.9	S23 18.8
13		16 07.6	S23 18.9
14		31 07.3	S23 19.0
15		46 07.0	S23 19.2
16		61 06.7	S23 19.3
17		76 06.4	S23 19.4
18		91 06.1	S23 19.5
19		106 05.8	S23 19.6
20		121 05.5	S23 19.7
21		136 05.2	S23 19.8
22		151 04.9	S23 19.9
23		166 04.6	S23 20.0
00	2023-12-17	181 04.2	S23 20.1
01		196 03.9	S23 20.2
02		211 03.6	S23 20.3
03		226 03.3	S23 20.4
04		241 03.0	S23 20.5
05		256 02.7	S23 20.6
06		271 02.4	S23 20.7
07		286 02.1	S23 20.8
08		301 01.8	S23 20.9
09		316 01.5	S23 21.0
10		331 01.2	S23 21.1
11		346 00.9	S23 21.1
12		1 00.6	S23 21.2
13		16 00.3	S23 21.3
14		30 60.0	S23 21.4

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
15		45 59.7	S23 21.5
16		60 59.4	S23 21.6
17		75 59.1	S23 21.7
18		90 58.7	S23 21.8
19		105 58.4	S23 21.9
20		120 58.1	S23 21.9
21		135 57.8	S23 22.0
22		150 57.5	S23 22.1
23		165 57.2	S23 22.2
00	2023-12-18	180 56.9	S23 22.3
01		195 56.6	S23 22.3
02		210 56.3	S23 22.4
03		225 56.0	S23 22.5
04		240 55.7	S23 22.6
05		255 55.4	S23 22.7
06		270 55.1	S23 22.7
07		285 54.8	S23 22.8
08		300 54.5	S23 22.9
09		315 54.1	S23 23.0
10		330 53.8	S23 23.0
11		345 53.5	S23 23.1
12		0 53.2	S23 23.2
13		15 52.9	S23 23.3
14		30 52.6	S23 23.3
15		45 52.3	S23 23.4
16		60 52.0	S23 23.5
17		75 51.7	S23 23.5
18		90 51.4	S23 23.6
19		105 51.1	S23 23.7
20		120 50.8	S23 23.7
21		135 50.5	S23 23.8
22		150 50.2	S23 23.9
23		165 49.8	S23 23.9
00	2023-12-19	180 49.5	S23 24.0
01		195 49.2	S23 24.0
02		210 48.9	S23 24.1
03		225 48.6	S23 24.2
04		240 48.3	S23 24.2
05		255 48.0	S23 24.3
06		270 47.7	S23 24.3
07		285 47.4	S23 24.4
08		300 47.1	S23 24.4
09		315 46.8	S23 24.5
10		330 46.5	S23 24.6
11		345 46.1	S23 24.6
12		0 45.8	S23 24.7
13		15 45.5	S23 24.7
14		30 45.2	S23 24.8
15		45 44.9	S23 24.8
16		60 44.6	S23 24.9
17		75 44.3	S23 24.9
18		90 44.0	S23 25.0
19		105 43.7	S23 25.0
20		120 43.4	S23 25.0
21		135 43.1	S23 25.1
22		150 42.7	S23 25.1
23		165 42.4	S23 25.2
00	2023-12-20	180 42.1	S23 25.2
01		195 41.8	S23 25.3
02		210 41.5	S23 25.3
03		225 41.2	S23 25.3
04		240 40.9	S23 25.4

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
05		255 40.6	S23 25.4
06		270 40.3	S23 25.5
07		285 40.0	S23 25.5
08		300 39.7	S23 25.5
09		315 39.3	S23 25.6
10		330 39.0	S23 25.6
11		345 38.7	S23 25.6
12		0 38.4	S23 25.7
13		15 38.1	S23 25.7
14		30 37.8	S23 25.7
15		45 37.5	S23 25.8
16		60 37.2	S23 25.8
17		75 36.9	S23 25.8
18		90 36.6	S23 25.8
19		105 36.3	S23 25.9
20		120 35.9	S23 25.9
21		135 35.6	S23 25.9
22		150 35.3	S23 25.9
23		165 35.0	S23 26.0
00	2023-12-21	180 34.7	S23 26.0
01		195 34.4	S23 26.0
02		210 34.1	S23 26.0
03		225 33.8	S23 26.1
04		240 33.5	S23 26.1
05		255 33.2	S23 26.1
06		270 32.8	S23 26.1
07		285 32.5	S23 26.1
08		300 32.2	S23 26.1
09		315 31.9	S23 26.2
10		330 31.6	S23 26.2
11		345 31.3	S23 26.2
12		0 31.0	S23 26.2
13		15 30.7	S23 26.2
14		30 30.4	S23 26.2
15		45 30.1	S23 26.2
16		60 29.7	S23 26.2
17		75 29.4	S23 26.3
18		90 29.1	S23 26.3
19		105 28.8	S23 26.3
20		120 28.5	S23 26.3
21		135 28.2	S23 26.3
22		150 27.9	S23 26.3
23		165 27.6	S23 26.3
00	2023-12-22	180 27.3	S23 26.3
01		195 27.0	S23 26.3
02		210 26.6	S23 26.3
03		225 26.3	S23 26.3
04		240 26.0	S23 26.3
05		255 25.7	S23 26.3
06		270 25.4	S23 26.3
07		285 25.1	S23 26.3
08		300 24.8	S23 26.3
09		315 24.5	S23 26.3
10		330 24.2	S23 26.3
11		345 23.8	S23 26.3
12		0 23.5	S23 26.3
13		15 23.2	S23 26.3
14		30 22.9	S23 26.3
15		45 22.6	S23 26.2
16		60 22.3	S23 26.2
17		75 22.0	S23 26.2
18		90 21.7	S23 26.2

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
19		105 21.4	S23 26.2
20		120 21.1	S23 26.2
21		135 20.7	S23 26.2
22		150 20.4	S23 26.2
23		165 20.1	S23 26.1
00	2023-12-23	180 19.8	S23 26.1
01		195 19.5	S23 26.1
02		210 19.2	S23 26.1
03		225 18.9	S23 26.1
04		240 18.6	S23 26.0
05		255 18.3	S23 26.0
06		270 18.0	S23 26.0
07		285 17.6	S23 26.0
08		300 17.3	S23 26.0
09		315 17.0	S23 25.9
10		330 16.7	S23 25.9
11		345 16.4	S23 25.9
12		0 16.1	S23 25.9
13		15 15.8	S23 25.8
14		30 15.5	S23 25.8
15		45 15.2	S23 25.8
16		60 14.9	S23 25.7
17		75 14.5	S23 25.7
18		90 14.2	S23 25.7
19		105 13.9	S23 25.7
20		120 13.6	S23 25.6
21		135 13.3	S23 25.6
22		150 13.0	S23 25.6
23		165 12.7	S23 25.5
00	2023-12-24	180 12.4	S23 25.5
01		195 12.1	S23 25.4
02		210 11.8	S23 25.4
03		225 11.4	S23 25.4
04		240 11.1	S23 25.3
05		255 10.8	S23 25.3
06		270 10.5	S23 25.2
07		285 10.2	S23 25.2
08		300 09.9	S23 25.2
09		315 09.6	S23 25.1
10		330 09.3	S23 25.1
11		345 09.0	S23 25.0
12		0 08.7	S23 25.0
13		15 08.3	S23 24.9
14		30 08.0	S23 24.9
15		45 07.7	S23 24.8
16		60 07.4	S23 24.8
17		75 07.1	S23 24.7
18		90 06.8	S23 24.7
19		105 06.5	S23 24.6
20		120 06.2	S23 24.6
21		135 05.9	S23 24.5
22		150 05.6	S23 24.5
23		165 05.2	S23 24.4
00	2023-12-25	180 04.9	S23 24.4
01		195 04.6	S23 24.3
02		210 04.3	S23 24.3
03		225 04.0	S23 24.2
04		240 03.7	S23 24.1
05		255 03.4	S23 24.1
06		270 03.1	S23 24.0
07		285 02.8	S23 24.0
08		300 02.5	S23 23.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
09		315 02.2	S23 23.8
10		330 01.8	S23 23.8
11		345 01.5	S23 23.7
12		0 01.2	S23 23.6
13		15 00.9	S23 23.6
14		30 00.6	S23 23.5
15		45 00.3	S23 23.4
16		59 60.0	S23 23.4
17		74 59.7	S23 23.3
18		89 59.4	S23 23.2
19		104 59.1	S23 23.2
20		119 58.8	S23 23.1
21		134 58.5	S23 23.0
22		149 58.1	S23 22.9
23		164 57.8	S23 22.9
00	2023-12-26	179 57.5	S23 22.8
01		194 57.2	S23 22.7
02		209 56.9	S23 22.6
03		224 56.6	S23 22.6
04		239 56.3	S23 22.5
05		254 56.0	S23 22.4
06		269 55.7	S23 22.3
07		284 55.4	S23 22.2
08		299 55.1	S23 22.2
09		314 54.8	S23 22.1
10		329 54.4	S23 22.0
11		344 54.1	S23 21.9
12		359 53.8	S23 21.8
13		14 53.5	S23 21.7
14		29 53.2	S23 21.7
15		44 52.9	S23 21.6
16		59 52.6	S23 21.5
17		74 52.3	S23 21.4
18		89 52.0	S23 21.3
19		104 51.7	S23 21.2
20		119 51.4	S23 21.1
21		134 51.1	S23 21.0
22		149 50.7	S23 20.9
23		164 50.4	S23 20.8
00	2023-12-27	179 50.1	S23 20.7
01		194 49.8	S23 20.6
02		209 49.5	S23 20.6
03		224 49.2	S23 20.5
04		239 48.9	S23 20.4
05		254 48.6	S23 20.3
06		269 48.3	S23 20.2
07		284 48.0	S23 20.1
08		299 47.7	S23 20.0
09		314 47.4	S23 19.9
10		329 47.1	S23 19.8
11		344 46.8	S23 19.6
12		359 46.5	S23 19.5
13		14 46.1	S23 19.4
14		29 45.8	S23 19.3
15		44 45.5	S23 19.2
16		59 45.2	S23 19.1
17		74 44.9	S23 19.0
18		89 44.6	S23 18.9
19		104 44.3	S23 18.8
20		119 44.0	S23 18.7
21		134 43.7	S23 18.6
22		149 43.4	S23 18.5

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
23		164 43.1	S23 18.3
00	2023-12-28	179 42.8	S23 18.2
01		194 42.5	S23 18.1
02		209 42.2	S23 18.0
03		224 41.9	S23 17.9
04		239 41.6	S23 17.8
05		254 41.2	S23 17.6
06		269 40.9	S23 17.5
07		284 40.6	S23 17.4
08		299 40.3	S23 17.3
09		314 40.0	S23 17.2
10		329 39.7	S23 17.0
11		344 39.4	S23 16.9
12		359 39.1	S23 16.8
13		14 38.8	S23 16.7
14		29 38.5	S23 16.5
15		44 38.2	S23 16.4
16		59 37.9	S23 16.3
17		74 37.6	S23 16.2
18		89 37.3	S23 16.0
19		104 37.0	S23 15.9
20		119 36.7	S23 15.8
21		134 36.4	S23 15.6
22		149 36.1	S23 15.5
23		164 35.8	S23 15.4
00	2023-12-29	179 35.5	S23 15.2
01		194 35.2	S23 15.1
02		209 34.9	S23 15.0
03		224 34.5	S23 14.8
04		239 34.2	S23 14.7
05		254 33.9	S23 14.6
06		269 33.6	S23 14.4
07		284 33.3	S23 14.3
08		299 33.0	S23 14.1
09		314 32.7	S23 14.0
10		329 32.4	S23 13.9
11		344 32.1	S23 13.7
12		359 31.8	S23 13.6
13		14 31.5	S23 13.4
14		29 31.2	S23 13.3
15		44 30.9	S23 13.1
16		59 30.6	S23 13.0
17		74 30.3	S23 12.8
18		89 30.0	S23 12.7
19		104 29.7	S23 12.6
20		119 29.4	S23 12.4
21		134 29.1	S23 12.3
22		149 28.8	S23 12.1
23		164 28.5	S23 11.9
00	2023-12-30	179 28.2	S23 11.8
01		194 27.9	S23 11.6
02		209 27.6	S23 11.5
03		224 27.3	S23 11.3
04		239 27.0	S23 11.2
05		254 26.7	S23 11.0
06		269 26.4	S23 10.9
07		284 26.1	S23 10.7
08		299 25.8	S23 10.5
09		314 25.5	S23 10.4
10		329 25.2	S23 10.2
11		344 24.9	S23 10.1
12		359 24.6	S23 09.9

Fortsetzung auf nächster Seite...

UT	Datum	SUN GHA	SUN Dec
13		14 24.3	S23 09.7
14		29 24.0	S23 09.6
15		44 23.7	S23 09.4
16		59 23.4	S23 09.2
17		74 23.1	S23 09.1
18		89 22.8	S23 08.9
19		104 22.5	S23 08.7
20		119 22.2	S23 08.6
21		134 21.9	S23 08.4
22		149 21.6	S23 08.2
23		164 21.3	S23 08.1
00	2023-12-31	179 21.0	S23 07.9
01		194 20.7	S23 07.7
02		209 20.4	S23 07.5
03		224 20.1	S23 07.4
04		239 19.8	S23 07.2
05		254 19.5	S23 07.0
06		269 19.2	S23 06.8
07		284 18.9	S23 06.7
08		299 18.6	S23 06.5
09		314 18.3	S23 06.3
10		329 18.0	S23 06.1
11		344 17.7	S23 05.9
12		359 17.4	S23 05.8
13		14 17.1	S23 05.6
14		29 16.8	S23 05.4
15		44 16.5	S23 05.2
16		59 16.2	S23 05.0
17		74 15.9	S23 04.8
18		89 15.6	S23 04.6
19		104 15.3	S23 04.5
20		119 15.0	S23 04.3
21		134 14.7	S23 04.1
22		149 14.4	S23 03.9
23		164 14.1	S23 03.7