

# Sun

Phetchaburi

Location: E 99°51'57.5", N13°07'01.2", 0m  
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

| Date<br>(Zone)    | Begin<br>Nautical<br>Twilight | Rise      | Az. | Transit Alt. | Set       | Az. | End<br>Nautical<br>Twilight |
|-------------------|-------------------------------|-----------|-----|--------------|-----------|-----|-----------------------------|
|                   | h m                           | h m °     |     | h m °        | h m °     |     | h m                         |
| 2025 Jan 01 (Wed) | 05:53                         | 06:43 113 |     | 12:24 55S    | 18:05 247 |     | 18:55                       |
| 2025 Jan 02 (Thu) | 05:54                         | 06:43 113 |     | 12:25 55S    | 18:06 247 |     | 18:55                       |
| 2025 Jan 03 (Fri) | 05:54                         | 06:44 113 |     | 12:25 55S    | 18:06 247 |     | 18:56                       |
| 2025 Jan 04 (Sat) | 05:55                         | 06:44 113 |     | 12:25 55S    | 18:07 247 |     | 18:56                       |
| 2025 Jan 05 (Sun) | 05:55                         | 06:44 113 |     | 12:26 55S    | 18:08 247 |     | 18:57                       |
| 2025 Jan 06 (Mon) | 05:55                         | 06:45 113 |     | 12:26 55S    | 18:08 247 |     | 18:57                       |
| 2025 Jan 07 (Tue) | 05:56                         | 06:45 113 |     | 12:27 55S    | 18:09 247 |     | 18:58                       |
| 2025 Jan 08 (Wed) | 05:56                         | 06:45 113 |     | 12:27 55S    | 18:09 247 |     | 18:59                       |
| 2025 Jan 09 (Thu) | 05:56                         | 06:46 113 |     | 12:28 56S    | 18:10 248 |     | 18:59                       |
| 2025 Jan 10 (Fri) | 05:57                         | 06:46 112 |     | 12:28 56S    | 18:10 248 |     | 19:00                       |
| 2025 Jan 11 (Sat) | 05:57                         | 06:46 112 |     | 12:28 56S    | 18:11 248 |     | 19:00                       |
| 2025 Jan 12 (Sun) | 05:57                         | 06:46 112 |     | 12:29 56S    | 18:11 248 |     | 19:01                       |
| 2025 Jan 13 (Mon) | 05:57                         | 06:46 112 |     | 12:29 56S    | 18:12 248 |     | 19:01                       |
| 2025 Jan 14 (Tue) | 05:58                         | 06:47 112 |     | 12:30 56S    | 18:13 248 |     | 19:02                       |
| 2025 Jan 15 (Wed) | 05:58                         | 06:47 112 |     | 12:30 57S    | 18:13 249 |     | 19:02                       |
| 2025 Jan 16 (Thu) | 05:58                         | 06:47 111 |     | 12:30 57S    | 18:14 249 |     | 19:02                       |
| 2025 Jan 17 (Fri) | 05:58                         | 06:47 111 |     | 12:31 57S    | 18:14 249 |     | 19:03                       |
| 2025 Jan 18 (Sat) | 05:59                         | 06:47 111 |     | 12:31 57S    | 18:15 249 |     | 19:03                       |
| 2025 Jan 19 (Sun) | 05:59                         | 06:47 111 |     | 12:31 57S    | 18:15 249 |     | 19:04                       |
| 2025 Jan 20 (Mon) | 05:59                         | 06:47 110 |     | 12:32 58S    | 18:16 250 |     | 19:04                       |
| 2025 Jan 21 (Tue) | 05:59                         | 06:47 110 |     | 12:32 58S    | 18:16 250 |     | 19:05                       |
| 2025 Jan 22 (Wed) | 05:59                         | 06:47 110 |     | 12:32 58S    | 18:17 250 |     | 19:05                       |
| 2025 Jan 23 (Thu) | 05:59                         | 06:48 110 |     | 12:32 58S    | 18:17 250 |     | 19:06                       |
| 2025 Jan 24 (Fri) | 05:59                         | 06:48 110 |     | 12:33 58S    | 18:18 251 |     | 19:06                       |
| 2025 Jan 25 (Sat) | 05:59                         | 06:48 109 |     | 12:33 59S    | 18:18 251 |     | 19:06                       |
| 2025 Jan 26 (Sun) | 05:59                         | 06:47 109 |     | 12:33 59S    | 18:19 251 |     | 19:07                       |
| 2025 Jan 27 (Mon) | 05:59                         | 06:47 109 |     | 12:33 59S    | 18:19 251 |     | 19:07                       |
| 2025 Jan 28 (Tue) | 05:59                         | 06:47 108 |     | 12:33 59S    | 18:20 252 |     | 19:08                       |
| 2025 Jan 29 (Wed) | 05:59                         | 06:47 108 |     | 12:34 60S    | 18:20 252 |     | 19:08                       |
| 2025 Jan 30 (Thu) | 05:59                         | 06:47 108 |     | 12:34 60S    | 18:21 252 |     | 19:08                       |
| 2025 Jan 31 (Fri) | 05:59                         | 06:47 108 |     | 12:34 60S    | 18:21 252 |     | 19:09                       |
| 2025 Feb 01 (Sat) | 05:59                         | 06:47 107 |     | 12:34 61S    | 18:21 253 |     | 19:09                       |
| 2025 Feb 02 (Sun) | 05:59                         | 06:47 107 |     | 12:34 61S    | 18:22 253 |     | 19:09                       |
| 2025 Feb 03 (Mon) | 05:59                         | 06:47 107 |     | 12:34 61S    | 18:22 253 |     | 19:10                       |
| 2025 Feb 04 (Tue) | 05:59                         | 06:46 106 |     | 12:34 61S    | 18:23 254 |     | 19:10                       |
| 2025 Feb 05 (Wed) | 05:59                         | 06:46 106 |     | 12:35 62S    | 18:23 254 |     | 19:10                       |
| 2025 Feb 06 (Thu) | 05:59                         | 06:46 106 |     | 12:35 62S    | 18:23 254 |     | 19:11                       |
| 2025 Feb 07 (Fri) | 05:58                         | 06:46 106 |     | 12:35 62S    | 18:24 255 |     | 19:11                       |
| 2025 Feb 08 (Sat) | 05:58                         | 06:45 105 |     | 12:35 63S    | 18:24 255 |     | 19:11                       |
| 2025 Feb 09 (Sun) | 05:58                         | 06:45 105 |     | 12:35 63S    | 18:24 255 |     | 19:12                       |
| 2025 Feb 10 (Mon) | 05:58                         | 06:45 105 |     | 12:35 63S    | 18:25 256 |     | 19:12                       |
| 2025 Feb 11 (Tue) | 05:57                         | 06:45 104 |     | 12:35 64S    | 18:25 256 |     | 19:12                       |
| 2025 Feb 12 (Wed) | 05:57                         | 06:44 104 |     | 12:35 64S    | 18:25 256 |     | 19:12                       |
| 2025 Feb 13 (Thu) | 05:57                         | 06:44 104 |     | 12:35 64S    | 18:26 257 |     | 19:13                       |
| 2025 Feb 14 (Fri) | 05:57                         | 06:44 103 |     | 12:35 65S    | 18:26 257 |     | 19:13                       |
| 2025 Feb 15 (Sat) | 05:56                         | 06:43 103 |     | 12:35 65S    | 18:26 257 |     | 19:13                       |
| 2025 Feb 16 (Sun) | 05:56                         | 06:43 102 |     | 12:35 65S    | 18:27 258 |     | 19:13                       |
| 2025 Feb 17 (Mon) | 05:56                         | 06:42 102 |     | 12:34 66S    | 18:27 258 |     | 19:13                       |
| 2025 Feb 18 (Tue) | 05:55                         | 06:42 102 |     | 12:34 66S    | 18:27 258 |     | 19:14                       |
| 2025 Feb 19 (Wed) | 05:55                         | 06:42 101 |     | 12:34 66S    | 18:27 259 |     | 19:14                       |
| 2025 Feb 20 (Thu) | 05:55                         | 06:41 101 |     | 12:34 67S    | 18:28 259 |     | 19:14                       |
| 2025 Feb 21 (Fri) | 05:54                         | 06:41 101 |     | 12:34 67S    | 18:28 260 |     | 19:14                       |
| 2025 Feb 22 (Sat) | 05:54                         | 06:40 100 |     | 12:34 67S    | 18:28 260 |     | 19:14                       |
| 2025 Feb 23 (Sun) | 05:53                         | 06:40 100 |     | 12:34 68S    | 18:28 260 |     | 19:15                       |
| 2025 Feb 24 (Mon) | 05:53                         | 06:39 100 |     | 12:34 68S    | 18:28 261 |     | 19:15                       |

|      |     |    |       |       |       |    |       |     |       |     |       |
|------|-----|----|-------|-------|-------|----|-------|-----|-------|-----|-------|
| 2025 | Feb | 25 | (Tue) | 05:52 | 06:39 | 99 | 12:34 | 69S | 18:29 | 261 | 19:15 |
| 2025 | Feb | 26 | (Wed) | 05:52 | 06:38 | 99 | 12:33 | 69S | 18:29 | 261 | 19:15 |
| 2025 | Feb | 27 | (Thu) | 05:51 | 06:38 | 98 | 12:33 | 69S | 18:29 | 262 | 19:15 |
| 2025 | Feb | 28 | (Fri) | 05:51 | 06:37 | 98 | 12:33 | 70S | 18:29 | 262 | 19:15 |
| 2025 | Mar | 01 | (Sat) | 05:50 | 06:37 | 98 | 12:33 | 70S | 18:29 | 263 | 19:15 |
| 2025 | Mar | 02 | (Sun) | 05:50 | 06:36 | 97 | 12:33 | 70S | 18:29 | 263 | 19:16 |
| 2025 | Mar | 03 | (Mon) | 05:49 | 06:35 | 97 | 12:32 | 71S | 18:30 | 263 | 19:16 |
| 2025 | Mar | 04 | (Tue) | 05:49 | 06:35 | 96 | 12:32 | 71S | 18:30 | 264 | 19:16 |
| 2025 | Mar | 05 | (Wed) | 05:48 | 06:34 | 96 | 12:32 | 72S | 18:30 | 264 | 19:16 |
| 2025 | Mar | 06 | (Thu) | 05:48 | 06:34 | 96 | 12:32 | 72S | 18:30 | 265 | 19:16 |
| 2025 | Mar | 07 | (Fri) | 05:47 | 06:33 | 95 | 12:32 | 72S | 18:30 | 265 | 19:16 |
| 2025 | Mar | 08 | (Sat) | 05:47 | 06:32 | 95 | 12:31 | 73S | 18:30 | 265 | 19:16 |
| 2025 | Mar | 09 | (Sun) | 05:46 | 06:32 | 94 | 12:31 | 73S | 18:30 | 266 | 19:16 |
| 2025 | Mar | 10 | (Mon) | 05:45 | 06:31 | 94 | 12:31 | 74S | 18:31 | 266 | 19:16 |
| 2025 | Mar | 11 | (Tue) | 05:45 | 06:31 | 94 | 12:31 | 74S | 18:31 | 267 | 19:17 |
| 2025 | Mar | 12 | (Wed) | 05:44 | 06:30 | 93 | 12:30 | 74S | 18:31 | 267 | 19:17 |
| 2025 | Mar | 13 | (Thu) | 05:44 | 06:29 | 93 | 12:30 | 75S | 18:31 | 267 | 19:17 |
| 2025 | Mar | 14 | (Fri) | 05:43 | 06:29 | 92 | 12:30 | 75S | 18:31 | 268 | 19:17 |
| 2025 | Mar | 15 | (Sat) | 05:42 | 06:28 | 92 | 12:29 | 76S | 18:31 | 268 | 19:17 |
| 2025 | Mar | 16 | (Sun) | 05:42 | 06:27 | 92 | 12:29 | 76S | 18:31 | 269 | 19:17 |
| 2025 | Mar | 17 | (Mon) | 05:41 | 06:27 | 91 | 12:29 | 76S | 18:31 | 269 | 19:17 |
| 2025 | Mar | 18 | (Tue) | 05:40 | 06:26 | 91 | 12:29 | 77S | 18:31 | 269 | 19:17 |
| 2025 | Mar | 19 | (Wed) | 05:40 | 06:25 | 90 | 12:28 | 77S | 18:31 | 270 | 19:17 |
| 2025 | Mar | 20 | (Thu) | 05:39 | 06:25 | 90 | 12:28 | 78S | 18:31 | 270 | 19:17 |
| 2025 | Mar | 21 | (Fri) | 05:38 | 06:24 | 90 | 12:28 | 78S | 18:31 | 271 | 19:17 |
| 2025 | Mar | 22 | (Sat) | 05:38 | 06:23 | 89 | 12:27 | 78S | 18:32 | 271 | 19:17 |
| 2025 | Mar | 23 | (Sun) | 05:37 | 06:23 | 89 | 12:27 | 79S | 18:32 | 271 | 19:17 |
| 2025 | Mar | 24 | (Mon) | 05:36 | 06:22 | 88 | 12:27 | 79S | 18:32 | 272 | 19:18 |
| 2025 | Mar | 25 | (Tue) | 05:36 | 06:21 | 88 | 12:26 | 80S | 18:32 | 272 | 19:18 |
| 2025 | Mar | 26 | (Wed) | 05:35 | 06:21 | 88 | 12:26 | 80S | 18:32 | 273 | 19:18 |
| 2025 | Mar | 27 | (Thu) | 05:34 | 06:20 | 87 | 12:26 | 80S | 18:32 | 273 | 19:18 |
| 2025 | Mar | 28 | (Fri) | 05:33 | 06:19 | 87 | 12:26 | 81S | 18:32 | 273 | 19:18 |
| 2025 | Mar | 29 | (Sat) | 05:33 | 06:19 | 86 | 12:25 | 81S | 18:32 | 274 | 19:18 |
| 2025 | Mar | 30 | (Sun) | 05:32 | 06:18 | 86 | 12:25 | 81S | 18:32 | 274 | 19:18 |
| 2025 | Mar | 31 | (Mon) | 05:31 | 06:17 | 86 | 12:25 | 82S | 18:32 | 275 | 19:18 |
| 2025 | Apr | 01 | (Tue) | 05:31 | 06:17 | 85 | 12:24 | 82S | 18:32 | 275 | 19:18 |
| 2025 | Apr | 02 | (Wed) | 05:30 | 06:16 | 85 | 12:24 | 83S | 18:32 | 275 | 19:18 |
| 2025 | Apr | 03 | (Thu) | 05:29 | 06:15 | 84 | 12:24 | 83S | 18:32 | 276 | 19:19 |
| 2025 | Apr | 04 | (Fri) | 05:29 | 06:15 | 84 | 12:24 | 83S | 18:32 | 276 | 19:19 |
| 2025 | Apr | 05 | (Sat) | 05:28 | 06:14 | 84 | 12:23 | 84S | 18:32 | 277 | 19:19 |
| 2025 | Apr | 06 | (Sun) | 05:27 | 06:14 | 83 | 12:23 | 84S | 18:33 | 277 | 19:19 |
| 2025 | Apr | 07 | (Mon) | 05:27 | 06:13 | 83 | 12:23 | 85S | 18:33 | 277 | 19:19 |
| 2025 | Apr | 08 | (Tue) | 05:26 | 06:12 | 82 | 12:22 | 85S | 18:33 | 278 | 19:19 |
| 2025 | Apr | 09 | (Wed) | 05:25 | 06:12 | 82 | 12:22 | 85S | 18:33 | 278 | 19:19 |
| 2025 | Apr | 10 | (Thu) | 05:24 | 06:11 | 82 | 12:22 | 86S | 18:33 | 279 | 19:19 |
| 2025 | Apr | 11 | (Fri) | 05:24 | 06:10 | 81 | 12:22 | 86S | 18:33 | 279 | 19:20 |
| 2025 | Apr | 12 | (Sat) | 05:23 | 06:10 | 81 | 12:21 | 86S | 18:33 | 279 | 19:20 |
| 2025 | Apr | 13 | (Sun) | 05:22 | 06:09 | 81 | 12:21 | 87S | 18:33 | 280 | 19:20 |
| 2025 | Apr | 14 | (Mon) | 05:22 | 06:09 | 80 | 12:21 | 87S | 18:33 | 280 | 19:20 |
| 2025 | Apr | 15 | (Tue) | 05:21 | 06:08 | 80 | 12:21 | 87S | 18:33 | 280 | 19:20 |
| 2025 | Apr | 16 | (Wed) | 05:20 | 06:07 | 79 | 12:20 | 88S | 18:33 | 281 | 19:20 |
| 2025 | Apr | 17 | (Thu) | 05:20 | 06:07 | 79 | 12:20 | 88S | 18:34 | 281 | 19:21 |
| 2025 | Apr | 18 | (Fri) | 05:19 | 06:06 | 79 | 12:20 | 89S | 18:34 | 282 | 19:21 |
| 2025 | Apr | 19 | (Sat) | 05:19 | 06:06 | 78 | 12:20 | 89S | 18:34 | 282 | 19:21 |
| 2025 | Apr | 20 | (Sun) | 05:18 | 06:05 | 78 | 12:19 | 89S | 18:34 | 282 | 19:21 |
| 2025 | Apr | 21 | (Mon) | 05:17 | 06:05 | 78 | 12:19 | 90S | 18:34 | 283 | 19:21 |
| 2025 | Apr | 22 | (Tue) | 05:17 | 06:04 | 77 | 12:19 | 90S | 18:34 | 283 | 19:22 |
| 2025 | Apr | 23 | (Wed) | 05:16 | 06:04 | 77 | 12:19 | 90S | 18:34 | 283 | 19:22 |
| 2025 | Apr | 24 | (Thu) | 05:16 | 06:03 | 77 | 12:19 | 91S | 18:34 | 284 | 19:22 |
| 2025 | Apr | 25 | (Fri) | 05:15 | 06:03 | 76 | 12:18 | 91N | 18:35 | 284 | 19:22 |
| 2025 | Apr | 26 | (Sat) | 05:14 | 06:02 | 76 | 12:18 | 90N | 18:35 | 284 | 19:22 |
| 2025 | Apr | 27 | (Sun) | 05:14 | 06:02 | 76 | 12:18 | 90N | 18:35 | 285 | 19:23 |
| 2025 | Apr | 28 | (Mon) | 05:13 | 06:01 | 75 | 12:18 | 90N | 18:35 | 285 | 19:23 |
| 2025 | Apr | 29 | (Tue) | 05:13 | 06:01 | 75 | 12:18 | 89N | 18:35 | 285 | 19:23 |
| 2025 | Apr | 30 | (Wed) | 05:12 | 06:00 | 75 | 12:18 | 89N | 18:36 | 286 | 19:23 |
| 2025 | May | 01 | (Thu) | 05:12 | 06:00 | 74 | 12:18 | 89N | 18:36 | 286 | 19:24 |
| 2025 | May | 02 | (Fri) | 05:11 | 05:59 | 74 | 12:18 | 88N | 18:36 | 286 | 19:24 |

|      |     |    |       |       |       |    |       |     |       |     |       |
|------|-----|----|-------|-------|-------|----|-------|-----|-------|-----|-------|
| 2025 | May | 03 | (Sat) | 05:11 | 05:59 | 74 | 12:17 | 88N | 18:36 | 286 | 19:24 |
| 2025 | May | 04 | (Sun) | 05:10 | 05:59 | 73 | 12:17 | 88N | 18:36 | 287 | 19:25 |
| 2025 | May | 05 | (Mon) | 05:10 | 05:58 | 73 | 12:17 | 87N | 18:37 | 287 | 19:25 |
| 2025 | May | 06 | (Tue) | 05:09 | 05:58 | 73 | 12:17 | 87N | 18:37 | 287 | 19:25 |
| 2025 | May | 07 | (Wed) | 05:09 | 05:57 | 73 | 12:17 | 87N | 18:37 | 288 | 19:26 |
| 2025 | May | 08 | (Thu) | 05:08 | 05:57 | 72 | 12:17 | 87N | 18:37 | 288 | 19:26 |
| 2025 | May | 09 | (Fri) | 05:08 | 05:57 | 72 | 12:17 | 86N | 18:37 | 288 | 19:26 |
| 2025 | May | 10 | (Sat) | 05:08 | 05:56 | 72 | 12:17 | 86N | 18:38 | 288 | 19:26 |
| 2025 | May | 11 | (Sun) | 05:07 | 05:56 | 71 | 12:17 | 86N | 18:38 | 289 | 19:27 |
| 2025 | May | 12 | (Mon) | 05:07 | 05:56 | 71 | 12:17 | 86N | 18:38 | 289 | 19:27 |
| 2025 | May | 13 | (Tue) | 05:06 | 05:56 | 71 | 12:17 | 85N | 18:38 | 289 | 19:27 |
| 2025 | May | 14 | (Wed) | 05:06 | 05:55 | 71 | 12:17 | 85N | 18:39 | 289 | 19:28 |
| 2025 | May | 15 | (Thu) | 05:06 | 05:55 | 70 | 12:17 | 85N | 18:39 | 290 | 19:28 |
| 2025 | May | 16 | (Fri) | 05:05 | 05:55 | 70 | 12:17 | 85N | 18:39 | 290 | 19:28 |
| 2025 | May | 17 | (Sat) | 05:05 | 05:55 | 70 | 12:17 | 84N | 18:39 | 290 | 19:29 |
| 2025 | May | 18 | (Sun) | 05:05 | 05:54 | 70 | 12:17 | 84N | 18:40 | 290 | 19:29 |
| 2025 | May | 19 | (Mon) | 05:05 | 05:54 | 69 | 12:17 | 84N | 18:40 | 291 | 19:30 |
| 2025 | May | 20 | (Tue) | 05:04 | 05:54 | 69 | 12:17 | 84N | 18:40 | 291 | 19:30 |
| 2025 | May | 21 | (Wed) | 05:04 | 05:54 | 69 | 12:17 | 84N | 18:41 | 291 | 19:30 |
| 2025 | May | 22 | (Thu) | 05:04 | 05:54 | 69 | 12:17 | 83N | 18:41 | 291 | 19:31 |
| 2025 | May | 23 | (Fri) | 05:04 | 05:54 | 69 | 12:17 | 83N | 18:41 | 291 | 19:31 |
| 2025 | May | 24 | (Sat) | 05:04 | 05:53 | 68 | 12:17 | 83N | 18:41 | 292 | 19:31 |
| 2025 | May | 25 | (Sun) | 05:03 | 05:53 | 68 | 12:17 | 83N | 18:42 | 292 | 19:32 |
| 2025 | May | 26 | (Mon) | 05:03 | 05:53 | 68 | 12:18 | 83N | 18:42 | 292 | 19:32 |
| 2025 | May | 27 | (Tue) | 05:03 | 05:53 | 68 | 12:18 | 82N | 18:42 | 292 | 19:33 |
| 2025 | May | 28 | (Wed) | 05:03 | 05:53 | 68 | 12:18 | 82N | 18:43 | 292 | 19:33 |
| 2025 | May | 29 | (Thu) | 05:03 | 05:53 | 68 | 12:18 | 82N | 18:43 | 293 | 19:33 |
| 2025 | May | 30 | (Fri) | 05:03 | 05:53 | 67 | 12:18 | 82N | 18:43 | 293 | 19:34 |
| 2025 | May | 31 | (Sat) | 05:03 | 05:53 | 67 | 12:18 | 82N | 18:44 | 293 | 19:34 |
| 2025 | Jun | 01 | (Sun) | 05:03 | 05:53 | 67 | 12:18 | 82N | 18:44 | 293 | 19:34 |
| 2025 | Jun | 02 | (Mon) | 05:03 | 05:53 | 67 | 12:19 | 82N | 18:44 | 293 | 19:35 |
| 2025 | Jun | 03 | (Tue) | 05:02 | 05:53 | 67 | 12:19 | 81N | 18:44 | 293 | 19:35 |
| 2025 | Jun | 04 | (Wed) | 05:02 | 05:53 | 67 | 12:19 | 81N | 18:45 | 293 | 19:35 |
| 2025 | Jun | 05 | (Thu) | 05:02 | 05:53 | 67 | 12:19 | 81N | 18:45 | 293 | 19:36 |
| 2025 | Jun | 06 | (Fri) | 05:02 | 05:53 | 66 | 12:19 | 81N | 18:45 | 294 | 19:36 |
| 2025 | Jun | 07 | (Sat) | 05:02 | 05:53 | 66 | 12:19 | 81N | 18:46 | 294 | 19:36 |
| 2025 | Jun | 08 | (Sun) | 05:03 | 05:53 | 66 | 12:20 | 81N | 18:46 | 294 | 19:37 |
| 2025 | Jun | 09 | (Mon) | 05:03 | 05:53 | 66 | 12:20 | 81N | 18:46 | 294 | 19:37 |
| 2025 | Jun | 10 | (Tue) | 05:03 | 05:54 | 66 | 12:20 | 81N | 18:47 | 294 | 19:37 |
| 2025 | Jun | 11 | (Wed) | 05:03 | 05:54 | 66 | 12:20 | 81N | 18:47 | 294 | 19:38 |
| 2025 | Jun | 12 | (Thu) | 05:03 | 05:54 | 66 | 12:20 | 81N | 18:47 | 294 | 19:38 |
| 2025 | Jun | 13 | (Fri) | 05:03 | 05:54 | 66 | 12:21 | 81N | 18:47 | 294 | 19:38 |
| 2025 | Jun | 14 | (Sat) | 05:03 | 05:54 | 66 | 12:21 | 81N | 18:48 | 294 | 19:39 |
| 2025 | Jun | 15 | (Sun) | 05:03 | 05:54 | 66 | 12:21 | 81N | 18:48 | 294 | 19:39 |
| 2025 | Jun | 16 | (Mon) | 05:03 | 05:54 | 66 | 12:21 | 80N | 18:48 | 294 | 19:39 |
| 2025 | Jun | 17 | (Tue) | 05:04 | 05:55 | 66 | 12:21 | 80N | 18:48 | 294 | 19:39 |
| 2025 | Jun | 18 | (Wed) | 05:04 | 05:55 | 66 | 12:22 | 80N | 18:49 | 294 | 19:40 |
| 2025 | Jun | 19 | (Thu) | 05:04 | 05:55 | 66 | 12:22 | 80N | 18:49 | 294 | 19:40 |
| 2025 | Jun | 20 | (Fri) | 05:04 | 05:55 | 66 | 12:22 | 80N | 18:49 | 294 | 19:40 |
| 2025 | Jun | 21 | (Sat) | 05:04 | 05:55 | 66 | 12:22 | 80N | 18:49 | 294 | 19:40 |
| 2025 | Jun | 22 | (Sun) | 05:05 | 05:56 | 66 | 12:23 | 80N | 18:50 | 294 | 19:41 |
| 2025 | Jun | 23 | (Mon) | 05:05 | 05:56 | 66 | 12:23 | 80N | 18:50 | 294 | 19:41 |
| 2025 | Jun | 24 | (Tue) | 05:05 | 05:56 | 66 | 12:23 | 80N | 18:50 | 294 | 19:41 |
| 2025 | Jun | 25 | (Wed) | 05:05 | 05:56 | 66 | 12:23 | 80N | 18:50 | 294 | 19:41 |
| 2025 | Jun | 26 | (Thu) | 05:06 | 05:57 | 66 | 12:23 | 80N | 18:50 | 294 | 19:41 |
| 2025 | Jun | 27 | (Fri) | 05:06 | 05:57 | 66 | 12:24 | 81N | 18:50 | 294 | 19:41 |
| 2025 | Jun | 28 | (Sat) | 05:06 | 05:57 | 66 | 12:24 | 81N | 18:51 | 294 | 19:42 |
| 2025 | Jun | 29 | (Sun) | 05:06 | 05:57 | 66 | 12:24 | 81N | 18:51 | 294 | 19:42 |
| 2025 | Jun | 30 | (Mon) | 05:07 | 05:58 | 66 | 12:24 | 81N | 18:51 | 294 | 19:42 |
| 2025 | Jul | 01 | (Tue) | 05:07 | 05:58 | 66 | 12:24 | 81N | 18:51 | 294 | 19:42 |
| 2025 | Jul | 02 | (Wed) | 05:07 | 05:58 | 66 | 12:25 | 81N | 18:51 | 294 | 19:42 |
| 2025 | Jul | 03 | (Thu) | 05:08 | 05:58 | 66 | 12:25 | 81N | 18:51 | 294 | 19:42 |
| 2025 | Jul | 04 | (Fri) | 05:08 | 05:59 | 66 | 12:25 | 81N | 18:51 | 294 | 19:42 |
| 2025 | Jul | 05 | (Sat) | 05:08 | 05:59 | 66 | 12:25 | 81N | 18:51 | 294 | 19:42 |
| 2025 | Jul | 06 | (Sun) | 05:09 | 05:59 | 66 | 12:25 | 81N | 18:51 | 293 | 19:42 |
| 2025 | Jul | 07 | (Mon) | 05:09 | 06:00 | 67 | 12:26 | 81N | 18:51 | 293 | 19:42 |
| 2025 | Jul | 08 | (Tue) | 05:09 | 06:00 | 67 | 12:26 | 81N | 18:51 | 293 | 19:42 |

|      |     |    |       |       |       |    |       |     |       |     |       |
|------|-----|----|-------|-------|-------|----|-------|-----|-------|-----|-------|
| 2025 | Jul | 09 | (Wed) | 05:09 | 06:00 | 67 | 12:26 | 82N | 18:51 | 293 | 19:42 |
| 2025 | Jul | 10 | (Thu) | 05:10 | 06:00 | 67 | 12:26 | 82N | 18:51 | 293 | 19:42 |
| 2025 | Jul | 11 | (Fri) | 05:10 | 06:01 | 67 | 12:26 | 82N | 18:51 | 293 | 19:42 |
| 2025 | Jul | 12 | (Sat) | 05:11 | 06:01 | 67 | 12:26 | 82N | 18:51 | 293 | 19:42 |
| 2025 | Jul | 13 | (Sun) | 05:11 | 06:01 | 67 | 12:26 | 82N | 18:51 | 293 | 19:42 |
| 2025 | Jul | 14 | (Mon) | 05:11 | 06:01 | 68 | 12:26 | 82N | 18:51 | 292 | 19:42 |
| 2025 | Jul | 15 | (Tue) | 05:12 | 06:02 | 68 | 12:27 | 82N | 18:51 | 292 | 19:41 |
| 2025 | Jul | 16 | (Wed) | 05:12 | 06:02 | 68 | 12:27 | 83N | 18:51 | 292 | 19:41 |
| 2025 | Jul | 17 | (Thu) | 05:12 | 06:02 | 68 | 12:27 | 83N | 18:51 | 292 | 19:41 |
| 2025 | Jul | 18 | (Fri) | 05:13 | 06:03 | 68 | 12:27 | 83N | 18:51 | 292 | 19:41 |
| 2025 | Jul | 19 | (Sat) | 05:13 | 06:03 | 68 | 12:27 | 83N | 18:51 | 292 | 19:41 |
| 2025 | Jul | 20 | (Sun) | 05:13 | 06:03 | 69 | 12:27 | 83N | 18:51 | 291 | 19:40 |
| 2025 | Jul | 21 | (Mon) | 05:14 | 06:03 | 69 | 12:27 | 83N | 18:50 | 291 | 19:40 |
| 2025 | Jul | 22 | (Tue) | 05:14 | 06:04 | 69 | 12:27 | 84N | 18:50 | 291 | 19:40 |
| 2025 | Jul | 23 | (Wed) | 05:14 | 06:04 | 69 | 12:27 | 84N | 18:50 | 291 | 19:40 |
| 2025 | Jul | 24 | (Thu) | 05:15 | 06:04 | 69 | 12:27 | 84N | 18:50 | 291 | 19:39 |
| 2025 | Jul | 25 | (Fri) | 05:15 | 06:04 | 70 | 12:27 | 84N | 18:50 | 290 | 19:39 |
| 2025 | Jul | 26 | (Sat) | 05:15 | 06:05 | 70 | 12:27 | 84N | 18:49 | 290 | 19:39 |
| 2025 | Jul | 27 | (Sun) | 05:16 | 06:05 | 70 | 12:27 | 85N | 18:49 | 290 | 19:38 |
| 2025 | Jul | 28 | (Mon) | 05:16 | 06:05 | 70 | 12:27 | 85N | 18:49 | 290 | 19:38 |
| 2025 | Jul | 29 | (Tue) | 05:16 | 06:05 | 71 | 12:27 | 85N | 18:49 | 289 | 19:38 |
| 2025 | Jul | 30 | (Wed) | 05:16 | 06:06 | 71 | 12:27 | 85N | 18:48 | 289 | 19:37 |
| 2025 | Jul | 31 | (Thu) | 05:17 | 06:06 | 71 | 12:27 | 86N | 18:48 | 289 | 19:37 |
| 2025 | Aug | 01 | (Fri) | 05:17 | 06:06 | 71 | 12:27 | 86N | 18:48 | 289 | 19:37 |
| 2025 | Aug | 02 | (Sat) | 05:17 | 06:06 | 72 | 12:27 | 86N | 18:47 | 288 | 19:36 |
| 2025 | Aug | 03 | (Sun) | 05:18 | 06:06 | 72 | 12:27 | 86N | 18:47 | 288 | 19:36 |
| 2025 | Aug | 04 | (Mon) | 05:18 | 06:07 | 72 | 12:27 | 87N | 18:47 | 288 | 19:35 |
| 2025 | Aug | 05 | (Tue) | 05:18 | 06:07 | 72 | 12:27 | 87N | 18:46 | 287 | 19:35 |
| 2025 | Aug | 06 | (Wed) | 05:18 | 06:07 | 73 | 12:26 | 87N | 18:46 | 287 | 19:34 |
| 2025 | Aug | 07 | (Thu) | 05:19 | 06:07 | 73 | 12:26 | 87N | 18:45 | 287 | 19:34 |
| 2025 | Aug | 08 | (Fri) | 05:19 | 06:07 | 73 | 12:26 | 88N | 18:45 | 287 | 19:33 |
| 2025 | Aug | 09 | (Sat) | 05:19 | 06:07 | 74 | 12:26 | 88N | 18:45 | 286 | 19:33 |
| 2025 | Aug | 10 | (Sun) | 05:19 | 06:08 | 74 | 12:26 | 88N | 18:44 | 286 | 19:32 |
| 2025 | Aug | 11 | (Mon) | 05:20 | 06:08 | 74 | 12:26 | 89N | 18:44 | 286 | 19:32 |
| 2025 | Aug | 12 | (Tue) | 05:20 | 06:08 | 74 | 12:26 | 89N | 18:43 | 285 | 19:31 |
| 2025 | Aug | 13 | (Wed) | 05:20 | 06:08 | 75 | 12:25 | 89N | 18:43 | 285 | 19:31 |
| 2025 | Aug | 14 | (Thu) | 05:20 | 06:08 | 75 | 12:25 | 90N | 18:42 | 285 | 19:30 |
| 2025 | Aug | 15 | (Fri) | 05:20 | 06:08 | 75 | 12:25 | 90N | 18:42 | 284 | 19:29 |
| 2025 | Aug | 16 | (Sat) | 05:21 | 06:08 | 76 | 12:25 | 90N | 18:41 | 284 | 19:29 |
| 2025 | Aug | 17 | (Sun) | 05:21 | 06:08 | 76 | 12:25 | 90N | 18:41 | 284 | 19:28 |
| 2025 | Aug | 18 | (Mon) | 05:21 | 06:09 | 76 | 12:24 | 91S | 18:40 | 283 | 19:28 |
| 2025 | Aug | 19 | (Tue) | 05:21 | 06:09 | 77 | 12:24 | 90S | 18:40 | 283 | 19:27 |
| 2025 | Aug | 20 | (Wed) | 05:21 | 06:09 | 77 | 12:24 | 90S | 18:39 | 283 | 19:26 |
| 2025 | Aug | 21 | (Thu) | 05:22 | 06:09 | 77 | 12:24 | 90S | 18:38 | 282 | 19:26 |
| 2025 | Aug | 22 | (Fri) | 05:22 | 06:09 | 78 | 12:23 | 89S | 18:38 | 282 | 19:25 |
| 2025 | Aug | 23 | (Sat) | 05:22 | 06:09 | 78 | 12:23 | 89S | 18:37 | 282 | 19:24 |
| 2025 | Aug | 24 | (Sun) | 05:22 | 06:09 | 78 | 12:23 | 89S | 18:37 | 281 | 19:24 |
| 2025 | Aug | 25 | (Mon) | 05:22 | 06:09 | 79 | 12:23 | 88S | 18:36 | 281 | 19:23 |
| 2025 | Aug | 26 | (Tue) | 05:22 | 06:09 | 79 | 12:22 | 88S | 18:35 | 281 | 19:22 |
| 2025 | Aug | 27 | (Wed) | 05:22 | 06:09 | 79 | 12:22 | 88S | 18:35 | 280 | 19:22 |
| 2025 | Aug | 28 | (Thu) | 05:22 | 06:09 | 80 | 12:22 | 87S | 18:34 | 280 | 19:21 |
| 2025 | Aug | 29 | (Fri) | 05:23 | 06:09 | 80 | 12:22 | 87S | 18:33 | 280 | 19:20 |
| 2025 | Aug | 30 | (Sat) | 05:23 | 06:09 | 81 | 12:21 | 86S | 18:33 | 279 | 19:20 |
| 2025 | Aug | 31 | (Sun) | 05:23 | 06:09 | 81 | 12:21 | 86S | 18:32 | 279 | 19:19 |
| 2025 | Sep | 01 | (Mon) | 05:23 | 06:09 | 81 | 12:21 | 86S | 18:32 | 278 | 19:18 |
| 2025 | Sep | 02 | (Tue) | 05:23 | 06:09 | 82 | 12:20 | 85S | 18:31 | 278 | 19:17 |
| 2025 | Sep | 03 | (Wed) | 05:23 | 06:10 | 82 | 12:20 | 85S | 18:30 | 278 | 19:17 |
| 2025 | Sep | 04 | (Thu) | 05:23 | 06:10 | 82 | 12:20 | 85S | 18:29 | 277 | 19:16 |
| 2025 | Sep | 05 | (Fri) | 05:23 | 06:10 | 83 | 12:19 | 84S | 18:29 | 277 | 19:15 |
| 2025 | Sep | 06 | (Sat) | 05:23 | 06:10 | 83 | 12:19 | 84S | 18:28 | 277 | 19:14 |
| 2025 | Sep | 07 | (Sun) | 05:23 | 06:10 | 84 | 12:19 | 84S | 18:27 | 276 | 19:14 |
| 2025 | Sep | 08 | (Mon) | 05:23 | 06:10 | 84 | 12:18 | 83S | 18:27 | 276 | 19:13 |
| 2025 | Sep | 09 | (Tue) | 05:23 | 06:10 | 84 | 12:18 | 83S | 18:26 | 275 | 19:12 |
| 2025 | Sep | 10 | (Wed) | 05:23 | 06:10 | 85 | 12:18 | 82S | 18:25 | 275 | 19:11 |
| 2025 | Sep | 11 | (Thu) | 05:23 | 06:10 | 85 | 12:17 | 82S | 18:25 | 275 | 19:11 |
| 2025 | Sep | 12 | (Fri) | 05:23 | 06:10 | 86 | 12:17 | 82S | 18:24 | 274 | 19:10 |
| 2025 | Sep | 13 | (Sat) | 05:24 | 06:10 | 86 | 12:16 | 81S | 18:23 | 274 | 19:09 |

|                   |       |       |     |       |     |       |     |       |
|-------------------|-------|-------|-----|-------|-----|-------|-----|-------|
| 2025 Sep 14 (Sun) | 05:24 | 06:10 | 86  | 12:16 | 81S | 18:22 | 273 | 19:08 |
| 2025 Sep 15 (Mon) | 05:24 | 06:10 | 87  | 12:16 | 81S | 18:22 | 273 | 19:08 |
| 2025 Sep 16 (Tue) | 05:24 | 06:10 | 87  | 12:15 | 80S | 18:21 | 273 | 19:07 |
| 2025 Sep 17 (Wed) | 05:24 | 06:10 | 87  | 12:15 | 80S | 18:20 | 272 | 19:06 |
| 2025 Sep 18 (Thu) | 05:24 | 06:10 | 88  | 12:15 | 79S | 18:20 | 272 | 19:05 |
| 2025 Sep 19 (Fri) | 05:24 | 06:10 | 88  | 12:14 | 79S | 18:19 | 272 | 19:05 |
| 2025 Sep 20 (Sat) | 05:24 | 06:10 | 89  | 12:14 | 79S | 18:18 | 271 | 19:04 |
| 2025 Sep 21 (Sun) | 05:24 | 06:10 | 89  | 12:14 | 78S | 18:17 | 271 | 19:03 |
| 2025 Sep 22 (Mon) | 05:24 | 06:10 | 89  | 12:13 | 78S | 18:17 | 270 | 19:03 |
| 2025 Sep 23 (Tue) | 05:24 | 06:10 | 90  | 12:13 | 77S | 18:16 | 270 | 19:02 |
| 2025 Sep 24 (Wed) | 05:24 | 06:10 | 90  | 12:13 | 77S | 18:15 | 270 | 19:01 |
| 2025 Sep 25 (Thu) | 05:24 | 06:10 | 91  | 12:12 | 77S | 18:15 | 269 | 19:00 |
| 2025 Sep 26 (Fri) | 05:24 | 06:10 | 91  | 12:12 | 76S | 18:14 | 269 | 19:00 |
| 2025 Sep 27 (Sat) | 05:24 | 06:10 | 91  | 12:12 | 76S | 18:13 | 268 | 18:59 |
| 2025 Sep 28 (Sun) | 05:24 | 06:10 | 92  | 12:11 | 75S | 18:12 | 268 | 18:58 |
| 2025 Sep 29 (Mon) | 05:24 | 06:10 | 92  | 12:11 | 75S | 18:12 | 268 | 18:58 |
| 2025 Sep 30 (Tue) | 05:24 | 06:10 | 93  | 12:11 | 75S | 18:11 | 267 | 18:57 |
| 2025 Oct 01 (Wed) | 05:24 | 06:10 | 93  | 12:10 | 74S | 18:10 | 267 | 18:56 |
| 2025 Oct 02 (Thu) | 05:24 | 06:10 | 93  | 12:10 | 74S | 18:10 | 266 | 18:56 |
| 2025 Oct 03 (Fri) | 05:24 | 06:10 | 94  | 12:10 | 74S | 18:09 | 266 | 18:55 |
| 2025 Oct 04 (Sat) | 05:24 | 06:10 | 94  | 12:09 | 73S | 18:08 | 266 | 18:54 |
| 2025 Oct 05 (Sun) | 05:24 | 06:10 | 95  | 12:09 | 73S | 18:08 | 265 | 18:54 |
| 2025 Oct 06 (Mon) | 05:24 | 06:10 | 95  | 12:09 | 72S | 18:07 | 265 | 18:53 |
| 2025 Oct 07 (Tue) | 05:24 | 06:10 | 95  | 12:08 | 72S | 18:06 | 264 | 18:52 |
| 2025 Oct 08 (Wed) | 05:24 | 06:10 | 96  | 12:08 | 72S | 18:06 | 264 | 18:52 |
| 2025 Oct 09 (Thu) | 05:24 | 06:10 | 96  | 12:08 | 71S | 18:05 | 264 | 18:51 |
| 2025 Oct 10 (Fri) | 05:24 | 06:10 | 97  | 12:08 | 71S | 18:05 | 263 | 18:51 |
| 2025 Oct 11 (Sat) | 05:24 | 06:10 | 97  | 12:07 | 70S | 18:04 | 263 | 18:50 |
| 2025 Oct 12 (Sun) | 05:24 | 06:11 | 97  | 12:07 | 70S | 18:03 | 262 | 18:49 |
| 2025 Oct 13 (Mon) | 05:25 | 06:11 | 98  | 12:07 | 70S | 18:03 | 262 | 18:49 |
| 2025 Oct 14 (Tue) | 05:25 | 06:11 | 98  | 12:07 | 69S | 18:02 | 262 | 18:48 |
| 2025 Oct 15 (Wed) | 05:25 | 06:11 | 99  | 12:06 | 69S | 18:02 | 261 | 18:48 |
| 2025 Oct 16 (Thu) | 05:25 | 06:11 | 99  | 12:06 | 69S | 18:01 | 261 | 18:47 |
| 2025 Oct 17 (Fri) | 05:25 | 06:11 | 99  | 12:06 | 68S | 18:00 | 261 | 18:47 |
| 2025 Oct 18 (Sat) | 05:25 | 06:11 | 100 | 12:06 | 68S | 18:00 | 260 | 18:46 |
| 2025 Oct 19 (Sun) | 05:25 | 06:11 | 100 | 12:06 | 68S | 17:59 | 260 | 18:46 |
| 2025 Oct 20 (Mon) | 05:25 | 06:12 | 100 | 12:05 | 67S | 17:59 | 259 | 18:45 |
| 2025 Oct 21 (Tue) | 05:25 | 06:12 | 101 | 12:05 | 67S | 17:58 | 259 | 18:45 |
| 2025 Oct 22 (Wed) | 05:25 | 06:12 | 101 | 12:05 | 66S | 17:58 | 259 | 18:44 |
| 2025 Oct 23 (Thu) | 05:26 | 06:12 | 102 | 12:05 | 66S | 17:57 | 258 | 18:44 |
| 2025 Oct 24 (Fri) | 05:26 | 06:12 | 102 | 12:05 | 66S | 17:57 | 258 | 18:44 |
| 2025 Oct 25 (Sat) | 05:26 | 06:13 | 102 | 12:05 | 65S | 17:56 | 258 | 18:43 |
| 2025 Oct 26 (Sun) | 05:26 | 06:13 | 103 | 12:05 | 65S | 17:56 | 257 | 18:43 |
| 2025 Oct 27 (Mon) | 05:26 | 06:13 | 103 | 12:04 | 65S | 17:56 | 257 | 18:42 |
| 2025 Oct 28 (Tue) | 05:26 | 06:13 | 103 | 12:04 | 64S | 17:55 | 257 | 18:42 |
| 2025 Oct 29 (Wed) | 05:27 | 06:14 | 104 | 12:04 | 64S | 17:55 | 256 | 18:42 |
| 2025 Oct 30 (Thu) | 05:27 | 06:14 | 104 | 12:04 | 64S | 17:54 | 256 | 18:42 |
| 2025 Oct 31 (Fri) | 05:27 | 06:14 | 104 | 12:04 | 63S | 17:54 | 256 | 18:41 |
| 2025 Nov 01 (Sat) | 05:27 | 06:14 | 105 | 12:04 | 63S | 17:54 | 255 | 18:41 |
| 2025 Nov 02 (Sun) | 05:27 | 06:15 | 105 | 12:04 | 63S | 17:53 | 255 | 18:41 |
| 2025 Nov 03 (Mon) | 05:28 | 06:15 | 105 | 12:04 | 62S | 17:53 | 255 | 18:40 |
| 2025 Nov 04 (Tue) | 05:28 | 06:15 | 106 | 12:04 | 62S | 17:53 | 254 | 18:40 |
| 2025 Nov 05 (Wed) | 05:28 | 06:16 | 106 | 12:04 | 62S | 17:53 | 254 | 18:40 |
| 2025 Nov 06 (Thu) | 05:28 | 06:16 | 106 | 12:04 | 62S | 17:52 | 254 | 18:40 |
| 2025 Nov 07 (Fri) | 05:29 | 06:16 | 107 | 12:04 | 61S | 17:52 | 253 | 18:40 |
| 2025 Nov 08 (Sat) | 05:29 | 06:17 | 107 | 12:04 | 61S | 17:52 | 253 | 18:39 |
| 2025 Nov 09 (Sun) | 05:29 | 06:17 | 107 | 12:04 | 61S | 17:52 | 253 | 18:39 |
| 2025 Nov 10 (Mon) | 05:30 | 06:17 | 107 | 12:04 | 60S | 17:51 | 252 | 18:39 |
| 2025 Nov 11 (Tue) | 05:30 | 06:18 | 108 | 12:05 | 60S | 17:51 | 252 | 18:39 |
| 2025 Nov 12 (Wed) | 05:30 | 06:18 | 108 | 12:05 | 60S | 17:51 | 252 | 18:39 |
| 2025 Nov 13 (Thu) | 05:31 | 06:18 | 108 | 12:05 | 60S | 17:51 | 252 | 18:39 |
| 2025 Nov 14 (Fri) | 05:31 | 06:19 | 109 | 12:05 | 59S | 17:51 | 251 | 18:39 |
| 2025 Nov 15 (Sat) | 05:31 | 06:19 | 109 | 12:05 | 59S | 17:51 | 251 | 18:39 |
| 2025 Nov 16 (Sun) | 05:32 | 06:20 | 109 | 12:05 | 59S | 17:51 | 251 | 18:39 |
| 2025 Nov 17 (Mon) | 05:32 | 06:20 | 109 | 12:05 | 59S | 17:51 | 251 | 18:39 |
| 2025 Nov 18 (Tue) | 05:32 | 06:21 | 110 | 12:06 | 58S | 17:51 | 250 | 18:39 |
| 2025 Nov 19 (Wed) | 05:33 | 06:21 | 110 | 12:06 | 58S | 17:51 | 250 | 18:39 |

|      |     |    |       |       |       |     |       |     |       |     |       |
|------|-----|----|-------|-------|-------|-----|-------|-----|-------|-----|-------|
| 2025 | Nov | 20 | (Thu) | 05:33 | 06:22 | 110 | 12:06 | 58S | 17:51 | 250 | 18:39 |
| 2025 | Nov | 21 | (Fri) | 05:34 | 06:22 | 110 | 12:06 | 58S | 17:51 | 250 | 18:39 |
| 2025 | Nov | 22 | (Sat) | 05:34 | 06:23 | 110 | 12:07 | 57S | 17:51 | 249 | 18:39 |
| 2025 | Nov | 23 | (Sun) | 05:34 | 06:23 | 111 | 12:07 | 57S | 17:51 | 249 | 18:39 |
| 2025 | Nov | 24 | (Mon) | 05:35 | 06:24 | 111 | 12:07 | 57S | 17:51 | 249 | 18:40 |
| 2025 | Nov | 25 | (Tue) | 05:35 | 06:24 | 111 | 12:08 | 57S | 17:51 | 249 | 18:40 |
| 2025 | Nov | 26 | (Wed) | 05:36 | 06:25 | 111 | 12:08 | 57S | 17:51 | 249 | 18:40 |
| 2025 | Nov | 27 | (Thu) | 05:36 | 06:25 | 112 | 12:08 | 56S | 17:51 | 248 | 18:40 |
| 2025 | Nov | 28 | (Fri) | 05:37 | 06:26 | 112 | 12:08 | 56S | 17:51 | 248 | 18:40 |
| 2025 | Nov | 29 | (Sat) | 05:37 | 06:26 | 112 | 12:09 | 56S | 17:51 | 248 | 18:41 |
| 2025 | Nov | 30 | (Sun) | 05:38 | 06:27 | 112 | 12:09 | 56S | 17:52 | 248 | 18:41 |
| 2025 | Dec | 01 | (Mon) | 05:38 | 06:27 | 112 | 12:10 | 56S | 17:52 | 248 | 18:41 |
| 2025 | Dec | 02 | (Tue) | 05:39 | 06:28 | 112 | 12:10 | 56S | 17:52 | 248 | 18:41 |
| 2025 | Dec | 03 | (Wed) | 05:39 | 06:28 | 113 | 12:10 | 55S | 17:52 | 247 | 18:42 |
| 2025 | Dec | 04 | (Thu) | 05:39 | 06:29 | 113 | 12:11 | 55S | 17:53 | 247 | 18:42 |
| 2025 | Dec | 05 | (Fri) | 05:40 | 06:29 | 113 | 12:11 | 55S | 17:53 | 247 | 18:42 |
| 2025 | Dec | 06 | (Sat) | 05:40 | 06:30 | 113 | 12:12 | 55S | 17:53 | 247 | 18:43 |
| 2025 | Dec | 07 | (Sun) | 05:41 | 06:30 | 113 | 12:12 | 55S | 17:53 | 247 | 18:43 |
| 2025 | Dec | 08 | (Mon) | 05:42 | 06:31 | 113 | 12:12 | 55S | 17:54 | 247 | 18:43 |
| 2025 | Dec | 09 | (Tue) | 05:42 | 06:32 | 113 | 12:13 | 55S | 17:54 | 247 | 18:44 |
| 2025 | Dec | 10 | (Wed) | 05:43 | 06:32 | 113 | 12:13 | 55S | 17:54 | 247 | 18:44 |
| 2025 | Dec | 11 | (Thu) | 05:43 | 06:33 | 113 | 12:14 | 55S | 17:55 | 247 | 18:44 |
| 2025 | Dec | 12 | (Fri) | 05:44 | 06:33 | 114 | 12:14 | 54S | 17:55 | 246 | 18:45 |
| 2025 | Dec | 13 | (Sat) | 05:44 | 06:34 | 114 | 12:15 | 54S | 17:56 | 246 | 18:45 |
| 2025 | Dec | 14 | (Sun) | 05:45 | 06:34 | 114 | 12:15 | 54S | 17:56 | 246 | 18:46 |
| 2025 | Dec | 15 | (Mon) | 05:45 | 06:35 | 114 | 12:16 | 54S | 17:56 | 246 | 18:46 |
| 2025 | Dec | 16 | (Tue) | 05:46 | 06:35 | 114 | 12:16 | 54S | 17:57 | 246 | 18:47 |
| 2025 | Dec | 17 | (Wed) | 05:46 | 06:36 | 114 | 12:17 | 54S | 17:57 | 246 | 18:47 |
| 2025 | Dec | 18 | (Thu) | 05:47 | 06:36 | 114 | 12:17 | 54S | 17:58 | 246 | 18:48 |
| 2025 | Dec | 19 | (Fri) | 05:47 | 06:37 | 114 | 12:18 | 54S | 17:58 | 246 | 18:48 |
| 2025 | Dec | 20 | (Sat) | 05:48 | 06:37 | 114 | 12:18 | 54S | 17:59 | 246 | 18:48 |
| 2025 | Dec | 21 | (Sun) | 05:48 | 06:38 | 114 | 12:19 | 54S | 17:59 | 246 | 18:49 |
| 2025 | Dec | 22 | (Mon) | 05:49 | 06:38 | 114 | 12:19 | 54S | 18:00 | 246 | 18:49 |
| 2025 | Dec | 23 | (Tue) | 05:49 | 06:39 | 114 | 12:20 | 54S | 18:00 | 246 | 18:50 |
| 2025 | Dec | 24 | (Wed) | 05:50 | 06:39 | 114 | 12:20 | 54S | 18:01 | 246 | 18:50 |
| 2025 | Dec | 25 | (Thu) | 05:50 | 06:40 | 114 | 12:21 | 54S | 18:01 | 246 | 18:51 |
| 2025 | Dec | 26 | (Fri) | 05:51 | 06:40 | 114 | 12:21 | 54S | 18:02 | 246 | 18:52 |
| 2025 | Dec | 27 | (Sat) | 05:51 | 06:41 | 114 | 12:22 | 54S | 18:02 | 246 | 18:52 |
| 2025 | Dec | 28 | (Sun) | 05:52 | 06:41 | 114 | 12:22 | 54S | 18:03 | 246 | 18:53 |
| 2025 | Dec | 29 | (Mon) | 05:52 | 06:42 | 114 | 12:23 | 54S | 18:03 | 246 | 18:53 |
| 2025 | Dec | 30 | (Tue) | 05:52 | 06:42 | 114 | 12:23 | 54S | 18:04 | 246 | 18:54 |
| 2025 | Dec | 31 | (Wed) | 05:53 | 06:42 | 114 | 12:24 | 55S | 18:05 | 246 | 18:54 |

Sun

Phetchaburi

Location: E 99°51'57.5", N13°07'01.2", 0m  
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

| Date<br>(Zone) |     |    |       | Begin<br>Civil<br>Twilight | Rise  | Az. | Transit Alt. | Set       | Az. | End<br>Civil<br>Twilight |
|----------------|-----|----|-------|----------------------------|-------|-----|--------------|-----------|-----|--------------------------|
|                |     |    |       | h m                        | h m   | °   | h m °        | h m °     |     | h m                      |
| 2025           | Jan | 01 | (Wed) | 06:20                      | 06:43 | 113 | 12:24 55S    | 18:05 247 |     | 18:28                    |
| 2025           | Jan | 02 | (Thu) | 06:20                      | 06:43 | 113 | 12:25 55S    | 18:06 247 |     | 18:29                    |
| 2025           | Jan | 03 | (Fri) | 06:21                      | 06:44 | 113 | 12:25 55S    | 18:06 247 |     | 18:29                    |
| 2025           | Jan | 04 | (Sat) | 06:21                      | 06:44 | 113 | 12:25 55S    | 18:07 247 |     | 18:30                    |
| 2025           | Jan | 05 | (Sun) | 06:21                      | 06:44 | 113 | 12:26 55S    | 18:08 247 |     | 18:30                    |
| 2025           | Jan | 06 | (Mon) | 06:22                      | 06:45 | 113 | 12:26 55S    | 18:08 247 |     | 18:31                    |
| 2025           | Jan | 07 | (Tue) | 06:22                      | 06:45 | 113 | 12:27 55S    | 18:09 247 |     | 18:32                    |
| 2025           | Jan | 08 | (Wed) | 06:22                      | 06:45 | 113 | 12:27 55S    | 18:09 247 |     | 18:32                    |
| 2025           | Jan | 09 | (Thu) | 06:23                      | 06:46 | 113 | 12:28 56S    | 18:10 248 |     | 18:33                    |
| 2025           | Jan | 10 | (Fri) | 06:23                      | 06:46 | 112 | 12:28 56S    | 18:10 248 |     | 18:33                    |
| 2025           | Jan | 11 | (Sat) | 06:23                      | 06:46 | 112 | 12:28 56S    | 18:11 248 |     | 18:34                    |
| 2025           | Jan | 12 | (Sun) | 06:23                      | 06:46 | 112 | 12:29 56S    | 18:11 248 |     | 18:34                    |

|      |     |    |       |       |       |     |       |     |       |     |       |
|------|-----|----|-------|-------|-------|-----|-------|-----|-------|-----|-------|
| 2025 | Jan | 13 | (Mon) | 06:24 | 06:46 | 112 | 12:29 | 56S | 18:12 | 248 | 18:35 |
| 2025 | Jan | 14 | (Tue) | 06:24 | 06:47 | 112 | 12:30 | 56S | 18:13 | 248 | 18:35 |
| 2025 | Jan | 15 | (Wed) | 06:24 | 06:47 | 112 | 12:30 | 57S | 18:13 | 249 | 18:36 |
| 2025 | Jan | 16 | (Thu) | 06:24 | 06:47 | 111 | 12:30 | 57S | 18:14 | 249 | 18:36 |
| 2025 | Jan | 17 | (Fri) | 06:24 | 06:47 | 111 | 12:31 | 57S | 18:14 | 249 | 18:37 |
| 2025 | Jan | 18 | (Sat) | 06:25 | 06:47 | 111 | 12:31 | 57S | 18:15 | 249 | 18:37 |
| 2025 | Jan | 19 | (Sun) | 06:25 | 06:47 | 111 | 12:31 | 57S | 18:15 | 249 | 18:38 |
| 2025 | Jan | 20 | (Mon) | 06:25 | 06:47 | 110 | 12:32 | 58S | 18:16 | 250 | 18:38 |
| 2025 | Jan | 21 | (Tue) | 06:25 | 06:47 | 110 | 12:32 | 58S | 18:16 | 250 | 18:39 |
| 2025 | Jan | 22 | (Wed) | 06:25 | 06:47 | 110 | 12:32 | 58S | 18:17 | 250 | 18:39 |
| 2025 | Jan | 23 | (Thu) | 06:25 | 06:48 | 110 | 12:32 | 58S | 18:17 | 250 | 18:40 |
| 2025 | Jan | 24 | (Fri) | 06:25 | 06:48 | 110 | 12:33 | 58S | 18:18 | 251 | 18:40 |
| 2025 | Jan | 25 | (Sat) | 06:25 | 06:48 | 109 | 12:33 | 59S | 18:18 | 251 | 18:41 |
| 2025 | Jan | 26 | (Sun) | 06:25 | 06:47 | 109 | 12:33 | 59S | 18:19 | 251 | 18:41 |
| 2025 | Jan | 27 | (Mon) | 06:25 | 06:47 | 109 | 12:33 | 59S | 18:19 | 251 | 18:42 |
| 2025 | Jan | 28 | (Tue) | 06:25 | 06:47 | 108 | 12:33 | 59S | 18:20 | 252 | 18:42 |
| 2025 | Jan | 29 | (Wed) | 06:25 | 06:47 | 108 | 12:34 | 60S | 18:20 | 252 | 18:42 |
| 2025 | Jan | 30 | (Thu) | 06:25 | 06:47 | 108 | 12:34 | 60S | 18:21 | 252 | 18:43 |
| 2025 | Jan | 31 | (Fri) | 06:25 | 06:47 | 108 | 12:34 | 60S | 18:21 | 252 | 18:43 |
| 2025 | Feb | 01 | (Sat) | 06:25 | 06:47 | 107 | 12:34 | 61S | 18:21 | 253 | 18:44 |
| 2025 | Feb | 02 | (Sun) | 06:25 | 06:47 | 107 | 12:34 | 61S | 18:22 | 253 | 18:44 |
| 2025 | Feb | 03 | (Mon) | 06:24 | 06:47 | 107 | 12:34 | 61S | 18:22 | 253 | 18:44 |
| 2025 | Feb | 04 | (Tue) | 06:24 | 06:46 | 106 | 12:34 | 61S | 18:23 | 254 | 18:45 |
| 2025 | Feb | 05 | (Wed) | 06:24 | 06:46 | 106 | 12:35 | 62S | 18:23 | 254 | 18:45 |
| 2025 | Feb | 06 | (Thu) | 06:24 | 06:46 | 106 | 12:35 | 62S | 18:23 | 254 | 18:45 |
| 2025 | Feb | 07 | (Fri) | 06:24 | 06:46 | 106 | 12:35 | 62S | 18:24 | 255 | 18:46 |
| 2025 | Feb | 08 | (Sat) | 06:24 | 06:45 | 105 | 12:35 | 63S | 18:24 | 255 | 18:46 |
| 2025 | Feb | 09 | (Sun) | 06:23 | 06:45 | 105 | 12:35 | 63S | 18:24 | 255 | 18:46 |
| 2025 | Feb | 10 | (Mon) | 06:23 | 06:45 | 105 | 12:35 | 63S | 18:25 | 256 | 18:47 |
| 2025 | Feb | 11 | (Tue) | 06:23 | 06:45 | 104 | 12:35 | 64S | 18:25 | 256 | 18:47 |
| 2025 | Feb | 12 | (Wed) | 06:22 | 06:44 | 104 | 12:35 | 64S | 18:25 | 256 | 18:47 |
| 2025 | Feb | 13 | (Thu) | 06:22 | 06:44 | 104 | 12:35 | 64S | 18:26 | 257 | 18:47 |
| 2025 | Feb | 14 | (Fri) | 06:22 | 06:44 | 103 | 12:35 | 65S | 18:26 | 257 | 18:48 |
| 2025 | Feb | 15 | (Sat) | 06:21 | 06:43 | 103 | 12:35 | 65S | 18:26 | 257 | 18:48 |
| 2025 | Feb | 16 | (Sun) | 06:21 | 06:43 | 102 | 12:35 | 65S | 18:27 | 258 | 18:48 |
| 2025 | Feb | 17 | (Mon) | 06:21 | 06:42 | 102 | 12:34 | 66S | 18:27 | 258 | 18:48 |
| 2025 | Feb | 18 | (Tue) | 06:20 | 06:42 | 102 | 12:34 | 66S | 18:27 | 258 | 18:49 |
| 2025 | Feb | 19 | (Wed) | 06:20 | 06:42 | 101 | 12:34 | 66S | 18:27 | 259 | 18:49 |
| 2025 | Feb | 20 | (Thu) | 06:19 | 06:41 | 101 | 12:34 | 67S | 18:28 | 259 | 18:49 |
| 2025 | Feb | 21 | (Fri) | 06:19 | 06:41 | 101 | 12:34 | 67S | 18:28 | 260 | 18:49 |
| 2025 | Feb | 22 | (Sat) | 06:19 | 06:40 | 100 | 12:34 | 67S | 18:28 | 260 | 18:50 |
| 2025 | Feb | 23 | (Sun) | 06:18 | 06:40 | 100 | 12:34 | 68S | 18:28 | 260 | 18:50 |
| 2025 | Feb | 24 | (Mon) | 06:18 | 06:39 | 100 | 12:34 | 68S | 18:28 | 261 | 18:50 |
| 2025 | Feb | 25 | (Tue) | 06:17 | 06:39 | 99  | 12:34 | 69S | 18:29 | 261 | 18:50 |
| 2025 | Feb | 26 | (Wed) | 06:17 | 06:38 | 99  | 12:33 | 69S | 18:29 | 261 | 18:50 |
| 2025 | Feb | 27 | (Thu) | 06:16 | 06:38 | 98  | 12:33 | 69S | 18:29 | 262 | 18:50 |
| 2025 | Feb | 28 | (Fri) | 06:16 | 06:37 | 98  | 12:33 | 70S | 18:29 | 262 | 18:51 |
| 2025 | Mar | 01 | (Sat) | 06:15 | 06:37 | 98  | 12:33 | 70S | 18:29 | 263 | 18:51 |
| 2025 | Mar | 02 | (Sun) | 06:15 | 06:36 | 97  | 12:33 | 70S | 18:29 | 263 | 18:51 |
| 2025 | Mar | 03 | (Mon) | 06:14 | 06:35 | 97  | 12:32 | 71S | 18:30 | 263 | 18:51 |
| 2025 | Mar | 04 | (Tue) | 06:14 | 06:35 | 96  | 12:32 | 71S | 18:30 | 264 | 18:51 |
| 2025 | Mar | 05 | (Wed) | 06:13 | 06:34 | 96  | 12:32 | 72S | 18:30 | 264 | 18:51 |
| 2025 | Mar | 06 | (Thu) | 06:12 | 06:34 | 96  | 12:32 | 72S | 18:30 | 265 | 18:51 |
| 2025 | Mar | 07 | (Fri) | 06:12 | 06:33 | 95  | 12:32 | 72S | 18:30 | 265 | 18:51 |
| 2025 | Mar | 08 | (Sat) | 06:11 | 06:32 | 95  | 12:31 | 73S | 18:30 | 265 | 18:52 |
| 2025 | Mar | 09 | (Sun) | 06:11 | 06:32 | 94  | 12:31 | 73S | 18:30 | 266 | 18:52 |
| 2025 | Mar | 10 | (Mon) | 06:10 | 06:31 | 94  | 12:31 | 74S | 18:31 | 266 | 18:52 |
| 2025 | Mar | 11 | (Tue) | 06:09 | 06:31 | 94  | 12:31 | 74S | 18:31 | 267 | 18:52 |
| 2025 | Mar | 12 | (Wed) | 06:09 | 06:30 | 93  | 12:30 | 74S | 18:31 | 267 | 18:52 |
| 2025 | Mar | 13 | (Thu) | 06:08 | 06:29 | 93  | 12:30 | 75S | 18:31 | 267 | 18:52 |
| 2025 | Mar | 14 | (Fri) | 06:08 | 06:29 | 92  | 12:30 | 75S | 18:31 | 268 | 18:52 |
| 2025 | Mar | 15 | (Sat) | 06:07 | 06:28 | 92  | 12:29 | 76S | 18:31 | 268 | 18:52 |
| 2025 | Mar | 16 | (Sun) | 06:06 | 06:27 | 92  | 12:29 | 76S | 18:31 | 269 | 18:52 |
| 2025 | Mar | 17 | (Mon) | 06:06 | 06:27 | 91  | 12:29 | 76S | 18:31 | 269 | 18:52 |
| 2025 | Mar | 18 | (Tue) | 06:05 | 06:26 | 91  | 12:29 | 77S | 18:31 | 269 | 18:52 |
| 2025 | Mar | 19 | (Wed) | 06:04 | 06:25 | 90  | 12:28 | 77S | 18:31 | 270 | 18:53 |
| 2025 | Mar | 20 | (Thu) | 06:04 | 06:25 | 90  | 12:28 | 78S | 18:31 | 270 | 18:53 |

|                   |       |       |    |           |           |       |
|-------------------|-------|-------|----|-----------|-----------|-------|
| 2025 Mar 21 (Fri) | 06:03 | 06:24 | 90 | 12:28 78S | 18:31 271 | 18:53 |
| 2025 Mar 22 (Sat) | 06:02 | 06:23 | 89 | 12:27 78S | 18:32 271 | 18:53 |
| 2025 Mar 23 (Sun) | 06:02 | 06:23 | 89 | 12:27 79S | 18:32 271 | 18:53 |
| 2025 Mar 24 (Mon) | 06:01 | 06:22 | 88 | 12:27 79S | 18:32 272 | 18:53 |
| 2025 Mar 25 (Tue) | 06:00 | 06:21 | 88 | 12:26 80S | 18:32 272 | 18:53 |
| 2025 Mar 26 (Wed) | 06:00 | 06:21 | 88 | 12:26 80S | 18:32 273 | 18:53 |
| 2025 Mar 27 (Thu) | 05:59 | 06:20 | 87 | 12:26 80S | 18:32 273 | 18:53 |
| 2025 Mar 28 (Fri) | 05:58 | 06:19 | 87 | 12:26 81S | 18:32 273 | 18:53 |
| 2025 Mar 29 (Sat) | 05:58 | 06:19 | 86 | 12:25 81S | 18:32 274 | 18:53 |
| 2025 Mar 30 (Sun) | 05:57 | 06:18 | 86 | 12:25 81S | 18:32 274 | 18:53 |
| 2025 Mar 31 (Mon) | 05:56 | 06:17 | 86 | 12:25 82S | 18:32 275 | 18:53 |
| 2025 Apr 01 (Tue) | 05:55 | 06:17 | 85 | 12:24 82S | 18:32 275 | 18:54 |
| 2025 Apr 02 (Wed) | 05:55 | 06:16 | 85 | 12:24 83S | 18:32 275 | 18:54 |
| 2025 Apr 03 (Thu) | 05:54 | 06:15 | 84 | 12:24 83S | 18:32 276 | 18:54 |
| 2025 Apr 04 (Fri) | 05:53 | 06:15 | 84 | 12:24 83S | 18:32 276 | 18:54 |
| 2025 Apr 05 (Sat) | 05:53 | 06:14 | 84 | 12:23 84S | 18:32 277 | 18:54 |
| 2025 Apr 06 (Sun) | 05:52 | 06:14 | 83 | 12:23 84S | 18:33 277 | 18:54 |
| 2025 Apr 07 (Mon) | 05:51 | 06:13 | 83 | 12:23 85S | 18:33 277 | 18:54 |
| 2025 Apr 08 (Tue) | 05:51 | 06:12 | 82 | 12:22 85S | 18:33 278 | 18:54 |
| 2025 Apr 09 (Wed) | 05:50 | 06:12 | 82 | 12:22 85S | 18:33 278 | 18:54 |
| 2025 Apr 10 (Thu) | 05:50 | 06:11 | 82 | 12:22 86S | 18:33 279 | 18:54 |
| 2025 Apr 11 (Fri) | 05:49 | 06:10 | 81 | 12:22 86S | 18:33 279 | 18:54 |
| 2025 Apr 12 (Sat) | 05:48 | 06:10 | 81 | 12:21 86S | 18:33 279 | 18:55 |
| 2025 Apr 13 (Sun) | 05:48 | 06:09 | 81 | 12:21 87S | 18:33 280 | 18:55 |
| 2025 Apr 14 (Mon) | 05:47 | 06:09 | 80 | 12:21 87S | 18:33 280 | 18:55 |
| 2025 Apr 15 (Tue) | 05:46 | 06:08 | 80 | 12:21 87S | 18:33 280 | 18:55 |
| 2025 Apr 16 (Wed) | 05:46 | 06:07 | 79 | 12:20 88S | 18:33 281 | 18:55 |
| 2025 Apr 17 (Thu) | 05:45 | 06:07 | 79 | 12:20 88S | 18:34 281 | 18:55 |
| 2025 Apr 18 (Fri) | 05:45 | 06:06 | 79 | 12:20 89S | 18:34 282 | 18:55 |
| 2025 Apr 19 (Sat) | 05:44 | 06:06 | 78 | 12:20 89S | 18:34 282 | 18:56 |
| 2025 Apr 20 (Sun) | 05:43 | 06:05 | 78 | 12:19 89S | 18:34 282 | 18:56 |
| 2025 Apr 21 (Mon) | 05:43 | 06:05 | 78 | 12:19 90S | 18:34 283 | 18:56 |
| 2025 Apr 22 (Tue) | 05:42 | 06:04 | 77 | 12:19 90S | 18:34 283 | 18:56 |
| 2025 Apr 23 (Wed) | 05:42 | 06:04 | 77 | 12:19 90S | 18:34 283 | 18:56 |
| 2025 Apr 24 (Thu) | 05:41 | 06:03 | 77 | 12:19 91S | 18:34 284 | 18:56 |
| 2025 Apr 25 (Fri) | 05:41 | 06:03 | 76 | 12:18 91N | 18:35 284 | 18:57 |
| 2025 Apr 26 (Sat) | 05:40 | 06:02 | 76 | 12:18 90N | 18:35 284 | 18:57 |
| 2025 Apr 27 (Sun) | 05:40 | 06:02 | 76 | 12:18 90N | 18:35 285 | 18:57 |
| 2025 Apr 28 (Mon) | 05:39 | 06:01 | 75 | 12:18 90N | 18:35 285 | 18:57 |
| 2025 Apr 29 (Tue) | 05:39 | 06:01 | 75 | 12:18 89N | 18:35 285 | 18:57 |
| 2025 Apr 30 (Wed) | 05:38 | 06:00 | 75 | 12:18 89N | 18:36 286 | 18:58 |
| 2025 May 01 (Thu) | 05:38 | 06:00 | 74 | 12:18 89N | 18:36 286 | 18:58 |
| 2025 May 02 (Fri) | 05:37 | 05:59 | 74 | 12:18 88N | 18:36 286 | 18:58 |
| 2025 May 03 (Sat) | 05:37 | 05:59 | 74 | 12:17 88N | 18:36 286 | 18:58 |
| 2025 May 04 (Sun) | 05:36 | 05:59 | 73 | 12:17 88N | 18:36 287 | 18:59 |
| 2025 May 05 (Mon) | 05:36 | 05:58 | 73 | 12:17 87N | 18:37 287 | 18:59 |
| 2025 May 06 (Tue) | 05:35 | 05:58 | 73 | 12:17 87N | 18:37 287 | 18:59 |
| 2025 May 07 (Wed) | 05:35 | 05:57 | 73 | 12:17 87N | 18:37 288 | 18:59 |
| 2025 May 08 (Thu) | 05:35 | 05:57 | 72 | 12:17 87N | 18:37 288 | 19:00 |
| 2025 May 09 (Fri) | 05:34 | 05:57 | 72 | 12:17 86N | 18:37 288 | 19:00 |
| 2025 May 10 (Sat) | 05:34 | 05:56 | 72 | 12:17 86N | 18:38 288 | 19:00 |
| 2025 May 11 (Sun) | 05:34 | 05:56 | 71 | 12:17 86N | 18:38 289 | 19:00 |
| 2025 May 12 (Mon) | 05:33 | 05:56 | 71 | 12:17 86N | 18:38 289 | 19:01 |
| 2025 May 13 (Tue) | 05:33 | 05:56 | 71 | 12:17 85N | 18:38 289 | 19:01 |
| 2025 May 14 (Wed) | 05:33 | 05:55 | 71 | 12:17 85N | 18:39 289 | 19:01 |
| 2025 May 15 (Thu) | 05:32 | 05:55 | 70 | 12:17 85N | 18:39 290 | 19:02 |
| 2025 May 16 (Fri) | 05:32 | 05:55 | 70 | 12:17 85N | 18:39 290 | 19:02 |
| 2025 May 17 (Sat) | 05:32 | 05:55 | 70 | 12:17 84N | 18:39 290 | 19:02 |
| 2025 May 18 (Sun) | 05:32 | 05:54 | 70 | 12:17 84N | 18:40 290 | 19:02 |
| 2025 May 19 (Mon) | 05:31 | 05:54 | 69 | 12:17 84N | 18:40 291 | 19:03 |
| 2025 May 20 (Tue) | 05:31 | 05:54 | 69 | 12:17 84N | 18:40 291 | 19:03 |
| 2025 May 21 (Wed) | 05:31 | 05:54 | 69 | 12:17 84N | 18:41 291 | 19:03 |
| 2025 May 22 (Thu) | 05:31 | 05:54 | 69 | 12:17 83N | 18:41 291 | 19:04 |
| 2025 May 23 (Fri) | 05:31 | 05:54 | 69 | 12:17 83N | 18:41 291 | 19:04 |
| 2025 May 24 (Sat) | 05:30 | 05:53 | 68 | 12:17 83N | 18:41 292 | 19:04 |
| 2025 May 25 (Sun) | 05:30 | 05:53 | 68 | 12:17 83N | 18:42 292 | 19:05 |
| 2025 May 26 (Mon) | 05:30 | 05:53 | 68 | 12:18 83N | 18:42 292 | 19:05 |



|      |     |    |       |       |       |    |       |     |       |     |       |
|------|-----|----|-------|-------|-------|----|-------|-----|-------|-----|-------|
| 2025 | May | 27 | (Tue) | 05:30 | 05:53 | 68 | 12:18 | 82N | 18:42 | 292 | 19:05 |
| 2025 | May | 28 | (Wed) | 05:30 | 05:53 | 68 | 12:18 | 82N | 18:43 | 292 | 19:06 |
| 2025 | May | 29 | (Thu) | 05:30 | 05:53 | 68 | 12:18 | 82N | 18:43 | 293 | 19:06 |
| 2025 | May | 30 | (Fri) | 05:30 | 05:53 | 67 | 12:18 | 82N | 18:43 | 293 | 19:06 |
| 2025 | May | 31 | (Sat) | 05:30 | 05:53 | 67 | 12:18 | 82N | 18:44 | 293 | 19:07 |
| 2025 | Jun | 01 | (Sun) | 05:30 | 05:53 | 67 | 12:18 | 82N | 18:44 | 293 | 19:07 |
| 2025 | Jun | 02 | (Mon) | 05:30 | 05:53 | 67 | 12:19 | 82N | 18:44 | 293 | 19:07 |
| 2025 | Jun | 03 | (Tue) | 05:30 | 05:53 | 67 | 12:19 | 81N | 18:44 | 293 | 19:08 |
| 2025 | Jun | 04 | (Wed) | 05:30 | 05:53 | 67 | 12:19 | 81N | 18:45 | 293 | 19:08 |
| 2025 | Jun | 05 | (Thu) | 05:30 | 05:53 | 67 | 12:19 | 81N | 18:45 | 293 | 19:08 |
| 2025 | Jun | 06 | (Fri) | 05:30 | 05:53 | 66 | 12:19 | 81N | 18:45 | 294 | 19:09 |
| 2025 | Jun | 07 | (Sat) | 05:30 | 05:53 | 66 | 12:19 | 81N | 18:46 | 294 | 19:09 |
| 2025 | Jun | 08 | (Sun) | 05:30 | 05:53 | 66 | 12:20 | 81N | 18:46 | 294 | 19:09 |
| 2025 | Jun | 09 | (Mon) | 05:30 | 05:53 | 66 | 12:20 | 81N | 18:46 | 294 | 19:10 |
| 2025 | Jun | 10 | (Tue) | 05:30 | 05:54 | 66 | 12:20 | 81N | 18:47 | 294 | 19:10 |
| 2025 | Jun | 11 | (Wed) | 05:30 | 05:54 | 66 | 12:20 | 81N | 18:47 | 294 | 19:10 |
| 2025 | Jun | 12 | (Thu) | 05:30 | 05:54 | 66 | 12:20 | 81N | 18:47 | 294 | 19:10 |
| 2025 | Jun | 13 | (Fri) | 05:31 | 05:54 | 66 | 12:21 | 81N | 18:47 | 294 | 19:11 |
| 2025 | Jun | 14 | (Sat) | 05:31 | 05:54 | 66 | 12:21 | 81N | 18:48 | 294 | 19:11 |
| 2025 | Jun | 15 | (Sun) | 05:31 | 05:54 | 66 | 12:21 | 81N | 18:48 | 294 | 19:11 |
| 2025 | Jun | 16 | (Mon) | 05:31 | 05:54 | 66 | 12:21 | 80N | 18:48 | 294 | 19:12 |
| 2025 | Jun | 17 | (Tue) | 05:31 | 05:55 | 66 | 12:21 | 80N | 18:48 | 294 | 19:12 |
| 2025 | Jun | 18 | (Wed) | 05:31 | 05:55 | 66 | 12:22 | 80N | 18:49 | 294 | 19:12 |
| 2025 | Jun | 19 | (Thu) | 05:32 | 05:55 | 66 | 12:22 | 80N | 18:49 | 294 | 19:12 |
| 2025 | Jun | 20 | (Fri) | 05:32 | 05:55 | 66 | 12:22 | 80N | 18:49 | 294 | 19:13 |
| 2025 | Jun | 21 | (Sat) | 05:32 | 05:55 | 66 | 12:22 | 80N | 18:49 | 294 | 19:13 |
| 2025 | Jun | 22 | (Sun) | 05:32 | 05:56 | 66 | 12:23 | 80N | 18:50 | 294 | 19:13 |
| 2025 | Jun | 23 | (Mon) | 05:32 | 05:56 | 66 | 12:23 | 80N | 18:50 | 294 | 19:13 |
| 2025 | Jun | 24 | (Tue) | 05:33 | 05:56 | 66 | 12:23 | 80N | 18:50 | 294 | 19:13 |
| 2025 | Jun | 25 | (Wed) | 05:33 | 05:56 | 66 | 12:23 | 80N | 18:50 | 294 | 19:14 |
| 2025 | Jun | 26 | (Thu) | 05:33 | 05:57 | 66 | 12:23 | 80N | 18:50 | 294 | 19:14 |
| 2025 | Jun | 27 | (Fri) | 05:33 | 05:57 | 66 | 12:24 | 81N | 18:50 | 294 | 19:14 |
| 2025 | Jun | 28 | (Sat) | 05:34 | 05:57 | 66 | 12:24 | 81N | 18:51 | 294 | 19:14 |
| 2025 | Jun | 29 | (Sun) | 05:34 | 05:57 | 66 | 12:24 | 81N | 18:51 | 294 | 19:14 |
| 2025 | Jun | 30 | (Mon) | 05:34 | 05:58 | 66 | 12:24 | 81N | 18:51 | 294 | 19:14 |
| 2025 | Jul | 01 | (Tue) | 05:34 | 05:58 | 66 | 12:24 | 81N | 18:51 | 294 | 19:14 |
| 2025 | Jul | 02 | (Wed) | 05:35 | 05:58 | 66 | 12:25 | 81N | 18:51 | 294 | 19:14 |
| 2025 | Jul | 03 | (Thu) | 05:35 | 05:58 | 66 | 12:25 | 81N | 18:51 | 294 | 19:15 |
| 2025 | Jul | 04 | (Fri) | 05:35 | 05:59 | 66 | 12:25 | 81N | 18:51 | 294 | 19:15 |
| 2025 | Jul | 05 | (Sat) | 05:36 | 05:59 | 66 | 12:25 | 81N | 18:51 | 294 | 19:15 |
| 2025 | Jul | 06 | (Sun) | 05:36 | 05:59 | 66 | 12:25 | 81N | 18:51 | 293 | 19:15 |
| 2025 | Jul | 07 | (Mon) | 05:36 | 06:00 | 67 | 12:26 | 81N | 18:51 | 293 | 19:15 |
| 2025 | Jul | 08 | (Tue) | 05:37 | 06:00 | 67 | 12:26 | 81N | 18:51 | 293 | 19:15 |
| 2025 | Jul | 09 | (Wed) | 05:37 | 06:00 | 67 | 12:26 | 82N | 18:51 | 293 | 19:15 |
| 2025 | Jul | 10 | (Thu) | 05:37 | 06:00 | 67 | 12:26 | 82N | 18:51 | 293 | 19:15 |
| 2025 | Jul | 11 | (Fri) | 05:37 | 06:01 | 67 | 12:26 | 82N | 18:51 | 293 | 19:15 |
| 2025 | Jul | 12 | (Sat) | 05:38 | 06:01 | 67 | 12:26 | 82N | 18:51 | 293 | 19:15 |
| 2025 | Jul | 13 | (Sun) | 05:38 | 06:01 | 67 | 12:26 | 82N | 18:51 | 293 | 19:14 |
| 2025 | Jul | 14 | (Mon) | 05:38 | 06:01 | 68 | 12:26 | 82N | 18:51 | 292 | 19:14 |
| 2025 | Jul | 15 | (Tue) | 05:39 | 06:02 | 68 | 12:27 | 82N | 18:51 | 292 | 19:14 |
| 2025 | Jul | 16 | (Wed) | 05:39 | 06:02 | 68 | 12:27 | 83N | 18:51 | 292 | 19:14 |
| 2025 | Jul | 17 | (Thu) | 05:39 | 06:02 | 68 | 12:27 | 83N | 18:51 | 292 | 19:14 |
| 2025 | Jul | 18 | (Fri) | 05:40 | 06:03 | 68 | 12:27 | 83N | 18:51 | 292 | 19:14 |
| 2025 | Jul | 19 | (Sat) | 05:40 | 06:03 | 68 | 12:27 | 83N | 18:51 | 292 | 19:14 |
| 2025 | Jul | 20 | (Sun) | 05:40 | 06:03 | 69 | 12:27 | 83N | 18:51 | 291 | 19:14 |
| 2025 | Jul | 21 | (Mon) | 05:40 | 06:03 | 69 | 12:27 | 83N | 18:50 | 291 | 19:13 |
| 2025 | Jul | 22 | (Tue) | 05:41 | 06:04 | 69 | 12:27 | 84N | 18:50 | 291 | 19:13 |
| 2025 | Jul | 23 | (Wed) | 05:41 | 06:04 | 69 | 12:27 | 84N | 18:50 | 291 | 19:13 |
| 2025 | Jul | 24 | (Thu) | 05:41 | 06:04 | 69 | 12:27 | 84N | 18:50 | 291 | 19:13 |
| 2025 | Jul | 25 | (Fri) | 05:42 | 06:04 | 70 | 12:27 | 84N | 18:50 | 290 | 19:12 |
| 2025 | Jul | 26 | (Sat) | 05:42 | 06:05 | 70 | 12:27 | 84N | 18:49 | 290 | 19:12 |
| 2025 | Jul | 27 | (Sun) | 05:42 | 06:05 | 70 | 12:27 | 85N | 18:49 | 290 | 19:12 |
| 2025 | Jul | 28 | (Mon) | 05:42 | 06:05 | 70 | 12:27 | 85N | 18:49 | 290 | 19:12 |
| 2025 | Jul | 29 | (Tue) | 05:43 | 06:05 | 71 | 12:27 | 85N | 18:49 | 289 | 19:11 |
| 2025 | Jul | 30 | (Wed) | 05:43 | 06:06 | 71 | 12:27 | 85N | 18:48 | 289 | 19:11 |
| 2025 | Jul | 31 | (Thu) | 05:43 | 06:06 | 71 | 12:27 | 86N | 18:48 | 289 | 19:11 |
| 2025 | Aug | 01 | (Fri) | 05:43 | 06:06 | 71 | 12:27 | 86N | 18:48 | 289 | 19:10 |

|      |     |    |       |       |       |    |       |     |       |     |       |
|------|-----|----|-------|-------|-------|----|-------|-----|-------|-----|-------|
| 2025 | Aug | 02 | (Sat) | 05:44 | 06:06 | 72 | 12:27 | 86N | 18:47 | 288 | 19:10 |
| 2025 | Aug | 03 | (Sun) | 05:44 | 06:06 | 72 | 12:27 | 86N | 18:47 | 288 | 19:09 |
| 2025 | Aug | 04 | (Mon) | 05:44 | 06:07 | 72 | 12:27 | 87N | 18:47 | 288 | 19:09 |
| 2025 | Aug | 05 | (Tue) | 05:44 | 06:07 | 72 | 12:27 | 87N | 18:46 | 287 | 19:09 |
| 2025 | Aug | 06 | (Wed) | 05:45 | 06:07 | 73 | 12:26 | 87N | 18:46 | 287 | 19:08 |
| 2025 | Aug | 07 | (Thu) | 05:45 | 06:07 | 73 | 12:26 | 87N | 18:45 | 287 | 19:08 |
| 2025 | Aug | 08 | (Fri) | 05:45 | 06:07 | 73 | 12:26 | 88N | 18:45 | 287 | 19:07 |
| 2025 | Aug | 09 | (Sat) | 05:45 | 06:07 | 74 | 12:26 | 88N | 18:45 | 286 | 19:07 |
| 2025 | Aug | 10 | (Sun) | 05:45 | 06:08 | 74 | 12:26 | 88N | 18:44 | 286 | 19:06 |
| 2025 | Aug | 11 | (Mon) | 05:46 | 06:08 | 74 | 12:26 | 89N | 18:44 | 286 | 19:06 |
| 2025 | Aug | 12 | (Tue) | 05:46 | 06:08 | 74 | 12:26 | 89N | 18:43 | 285 | 19:05 |
| 2025 | Aug | 13 | (Wed) | 05:46 | 06:08 | 75 | 12:25 | 89N | 18:43 | 285 | 19:05 |
| 2025 | Aug | 14 | (Thu) | 05:46 | 06:08 | 75 | 12:25 | 90N | 18:42 | 285 | 19:04 |
| 2025 | Aug | 15 | (Fri) | 05:46 | 06:08 | 75 | 12:25 | 90N | 18:42 | 284 | 19:04 |
| 2025 | Aug | 16 | (Sat) | 05:46 | 06:08 | 76 | 12:25 | 90N | 18:41 | 284 | 19:03 |
| 2025 | Aug | 17 | (Sun) | 05:47 | 06:08 | 76 | 12:25 | 90N | 18:41 | 284 | 19:03 |
| 2025 | Aug | 18 | (Mon) | 05:47 | 06:09 | 76 | 12:24 | 91S | 18:40 | 283 | 19:02 |
| 2025 | Aug | 19 | (Tue) | 05:47 | 06:09 | 77 | 12:24 | 90S | 18:40 | 283 | 19:01 |
| 2025 | Aug | 20 | (Wed) | 05:47 | 06:09 | 77 | 12:24 | 90S | 18:39 | 283 | 19:01 |
| 2025 | Aug | 21 | (Thu) | 05:47 | 06:09 | 77 | 12:24 | 90S | 18:38 | 282 | 19:00 |
| 2025 | Aug | 22 | (Fri) | 05:47 | 06:09 | 78 | 12:23 | 89S | 18:38 | 282 | 19:00 |
| 2025 | Aug | 23 | (Sat) | 05:47 | 06:09 | 78 | 12:23 | 89S | 18:37 | 282 | 18:59 |
| 2025 | Aug | 24 | (Sun) | 05:47 | 06:09 | 78 | 12:23 | 89S | 18:37 | 281 | 18:58 |
| 2025 | Aug | 25 | (Mon) | 05:47 | 06:09 | 79 | 12:23 | 88S | 18:36 | 281 | 18:58 |
| 2025 | Aug | 26 | (Tue) | 05:48 | 06:09 | 79 | 12:22 | 88S | 18:35 | 281 | 18:57 |
| 2025 | Aug | 27 | (Wed) | 05:48 | 06:09 | 79 | 12:22 | 88S | 18:35 | 280 | 18:56 |
| 2025 | Aug | 28 | (Thu) | 05:48 | 06:09 | 80 | 12:22 | 87S | 18:34 | 280 | 18:56 |
| 2025 | Aug | 29 | (Fri) | 05:48 | 06:09 | 80 | 12:22 | 87S | 18:33 | 280 | 18:55 |
| 2025 | Aug | 30 | (Sat) | 05:48 | 06:09 | 81 | 12:21 | 86S | 18:33 | 279 | 18:54 |
| 2025 | Aug | 31 | (Sun) | 05:48 | 06:09 | 81 | 12:21 | 86S | 18:32 | 279 | 18:54 |
| 2025 | Sep | 01 | (Mon) | 05:48 | 06:09 | 81 | 12:21 | 86S | 18:32 | 278 | 18:53 |
| 2025 | Sep | 02 | (Tue) | 05:48 | 06:09 | 82 | 12:20 | 85S | 18:31 | 278 | 18:52 |
| 2025 | Sep | 03 | (Wed) | 05:48 | 06:10 | 82 | 12:20 | 85S | 18:30 | 278 | 18:52 |
| 2025 | Sep | 04 | (Thu) | 05:48 | 06:10 | 82 | 12:20 | 85S | 18:29 | 277 | 18:51 |
| 2025 | Sep | 05 | (Fri) | 05:48 | 06:10 | 83 | 12:19 | 84S | 18:29 | 277 | 18:50 |
| 2025 | Sep | 06 | (Sat) | 05:48 | 06:10 | 83 | 12:19 | 84S | 18:28 | 277 | 18:49 |
| 2025 | Sep | 07 | (Sun) | 05:48 | 06:10 | 84 | 12:19 | 84S | 18:27 | 276 | 18:49 |
| 2025 | Sep | 08 | (Mon) | 05:48 | 06:10 | 84 | 12:18 | 83S | 18:27 | 276 | 18:48 |
| 2025 | Sep | 09 | (Tue) | 05:48 | 06:10 | 84 | 12:18 | 83S | 18:26 | 275 | 18:47 |
| 2025 | Sep | 10 | (Wed) | 05:48 | 06:10 | 85 | 12:18 | 82S | 18:25 | 275 | 18:47 |
| 2025 | Sep | 11 | (Thu) | 05:48 | 06:10 | 85 | 12:17 | 82S | 18:25 | 275 | 18:46 |
| 2025 | Sep | 12 | (Fri) | 05:48 | 06:10 | 86 | 12:17 | 82S | 18:24 | 274 | 18:45 |
| 2025 | Sep | 13 | (Sat) | 05:48 | 06:10 | 86 | 12:16 | 81S | 18:23 | 274 | 18:44 |
| 2025 | Sep | 14 | (Sun) | 05:48 | 06:10 | 86 | 12:16 | 81S | 18:22 | 273 | 18:44 |
| 2025 | Sep | 15 | (Mon) | 05:48 | 06:10 | 87 | 12:16 | 81S | 18:22 | 273 | 18:43 |
| 2025 | Sep | 16 | (Tue) | 05:48 | 06:10 | 87 | 12:15 | 80S | 18:21 | 273 | 18:42 |
| 2025 | Sep | 17 | (Wed) | 05:48 | 06:10 | 87 | 12:15 | 80S | 18:20 | 272 | 18:42 |
| 2025 | Sep | 18 | (Thu) | 05:48 | 06:10 | 88 | 12:15 | 79S | 18:20 | 272 | 18:41 |
| 2025 | Sep | 19 | (Fri) | 05:48 | 06:10 | 88 | 12:14 | 79S | 18:19 | 272 | 18:40 |
| 2025 | Sep | 20 | (Sat) | 05:48 | 06:10 | 89 | 12:14 | 79S | 18:18 | 271 | 18:39 |
| 2025 | Sep | 21 | (Sun) | 05:48 | 06:10 | 89 | 12:14 | 78S | 18:17 | 271 | 18:39 |
| 2025 | Sep | 22 | (Mon) | 05:48 | 06:10 | 89 | 12:13 | 78S | 18:17 | 270 | 18:38 |
| 2025 | Sep | 23 | (Tue) | 05:48 | 06:10 | 90 | 12:13 | 77S | 18:16 | 270 | 18:37 |
| 2025 | Sep | 24 | (Wed) | 05:48 | 06:10 | 90 | 12:13 | 77S | 18:15 | 270 | 18:36 |
| 2025 | Sep | 25 | (Thu) | 05:48 | 06:10 | 91 | 12:12 | 77S | 18:15 | 269 | 18:36 |
| 2025 | Sep | 26 | (Fri) | 05:49 | 06:10 | 91 | 12:12 | 76S | 18:14 | 269 | 18:35 |
| 2025 | Sep | 27 | (Sat) | 05:49 | 06:10 | 91 | 12:12 | 76S | 18:13 | 268 | 18:34 |
| 2025 | Sep | 28 | (Sun) | 05:49 | 06:10 | 92 | 12:11 | 75S | 18:12 | 268 | 18:34 |
| 2025 | Sep | 29 | (Mon) | 05:49 | 06:10 | 92 | 12:11 | 75S | 18:12 | 268 | 18:33 |
| 2025 | Sep | 30 | (Tue) | 05:49 | 06:10 | 93 | 12:11 | 75S | 18:11 | 267 | 18:32 |
| 2025 | Oct | 01 | (Wed) | 05:49 | 06:10 | 93 | 12:10 | 74S | 18:10 | 267 | 18:32 |
| 2025 | Oct | 02 | (Thu) | 05:49 | 06:10 | 93 | 12:10 | 74S | 18:10 | 266 | 18:31 |
| 2025 | Oct | 03 | (Fri) | 05:49 | 06:10 | 94 | 12:10 | 74S | 18:09 | 266 | 18:30 |
| 2025 | Oct | 04 | (Sat) | 05:49 | 06:10 | 94 | 12:09 | 73S | 18:08 | 266 | 18:30 |
| 2025 | Oct | 05 | (Sun) | 05:49 | 06:10 | 95 | 12:09 | 73S | 18:08 | 265 | 18:29 |
| 2025 | Oct | 06 | (Mon) | 05:49 | 06:10 | 95 | 12:09 | 72S | 18:07 | 265 | 18:28 |
| 2025 | Oct | 07 | (Tue) | 05:49 | 06:10 | 95 | 12:08 | 72S | 18:06 | 264 | 18:28 |

|      |     |    |       |       |       |     |       |     |       |     |       |
|------|-----|----|-------|-------|-------|-----|-------|-----|-------|-----|-------|
| 2025 | Oct | 08 | (Wed) | 05:49 | 06:10 | 96  | 12:08 | 72S | 18:06 | 264 | 18:27 |
| 2025 | Oct | 09 | (Thu) | 05:49 | 06:10 | 96  | 12:08 | 71S | 18:05 | 264 | 18:26 |
| 2025 | Oct | 10 | (Fri) | 05:49 | 06:10 | 97  | 12:08 | 71S | 18:05 | 263 | 18:26 |
| 2025 | Oct | 11 | (Sat) | 05:49 | 06:10 | 97  | 12:07 | 70S | 18:04 | 263 | 18:25 |
| 2025 | Oct | 12 | (Sun) | 05:49 | 06:11 | 97  | 12:07 | 70S | 18:03 | 262 | 18:25 |
| 2025 | Oct | 13 | (Mon) | 05:49 | 06:11 | 98  | 12:07 | 70S | 18:03 | 262 | 18:24 |
| 2025 | Oct | 14 | (Tue) | 05:49 | 06:11 | 98  | 12:07 | 69S | 18:02 | 262 | 18:24 |
| 2025 | Oct | 15 | (Wed) | 05:50 | 06:11 | 99  | 12:06 | 69S | 18:02 | 261 | 18:23 |
| 2025 | Oct | 16 | (Thu) | 05:50 | 06:11 | 99  | 12:06 | 69S | 18:01 | 261 | 18:22 |
| 2025 | Oct | 17 | (Fri) | 05:50 | 06:11 | 99  | 12:06 | 68S | 18:00 | 261 | 18:22 |
| 2025 | Oct | 18 | (Sat) | 05:50 | 06:11 | 100 | 12:06 | 68S | 18:00 | 260 | 18:21 |
| 2025 | Oct | 19 | (Sun) | 05:50 | 06:11 | 100 | 12:06 | 68S | 17:59 | 260 | 18:21 |
| 2025 | Oct | 20 | (Mon) | 05:50 | 06:12 | 100 | 12:05 | 67S | 17:59 | 259 | 18:20 |
| 2025 | Oct | 21 | (Tue) | 05:50 | 06:12 | 101 | 12:05 | 67S | 17:58 | 259 | 18:20 |
| 2025 | Oct | 22 | (Wed) | 05:50 | 06:12 | 101 | 12:05 | 66S | 17:58 | 259 | 18:19 |
| 2025 | Oct | 23 | (Thu) | 05:51 | 06:12 | 102 | 12:05 | 66S | 17:57 | 258 | 18:19 |
| 2025 | Oct | 24 | (Fri) | 05:51 | 06:12 | 102 | 12:05 | 66S | 17:57 | 258 | 18:19 |
| 2025 | Oct | 25 | (Sat) | 05:51 | 06:13 | 102 | 12:05 | 65S | 17:56 | 258 | 18:18 |
| 2025 | Oct | 26 | (Sun) | 05:51 | 06:13 | 103 | 12:05 | 65S | 17:56 | 257 | 18:18 |
| 2025 | Oct | 27 | (Mon) | 05:51 | 06:13 | 103 | 12:04 | 65S | 17:56 | 257 | 18:17 |
| 2025 | Oct | 28 | (Tue) | 05:52 | 06:13 | 103 | 12:04 | 64S | 17:55 | 257 | 18:17 |
| 2025 | Oct | 29 | (Wed) | 05:52 | 06:14 | 104 | 12:04 | 64S | 17:55 | 256 | 18:17 |
| 2025 | Oct | 30 | (Thu) | 05:52 | 06:14 | 104 | 12:04 | 64S | 17:54 | 256 | 18:16 |
| 2025 | Oct | 31 | (Fri) | 05:52 | 06:14 | 104 | 12:04 | 63S | 17:54 | 256 | 18:16 |
| 2025 | Nov | 01 | (Sat) | 05:52 | 06:14 | 105 | 12:04 | 63S | 17:54 | 255 | 18:16 |
| 2025 | Nov | 02 | (Sun) | 05:53 | 06:15 | 105 | 12:04 | 63S | 17:53 | 255 | 18:15 |
| 2025 | Nov | 03 | (Mon) | 05:53 | 06:15 | 105 | 12:04 | 62S | 17:53 | 255 | 18:15 |
| 2025 | Nov | 04 | (Tue) | 05:53 | 06:15 | 106 | 12:04 | 62S | 17:53 | 254 | 18:15 |
| 2025 | Nov | 05 | (Wed) | 05:54 | 06:16 | 106 | 12:04 | 62S | 17:53 | 254 | 18:15 |
| 2025 | Nov | 06 | (Thu) | 05:54 | 06:16 | 106 | 12:04 | 62S | 17:52 | 254 | 18:14 |
| 2025 | Nov | 07 | (Fri) | 05:54 | 06:16 | 107 | 12:04 | 61S | 17:52 | 253 | 18:14 |
| 2025 | Nov | 08 | (Sat) | 05:54 | 06:17 | 107 | 12:04 | 61S | 17:52 | 253 | 18:14 |
| 2025 | Nov | 09 | (Sun) | 05:55 | 06:17 | 107 | 12:04 | 61S | 17:52 | 253 | 18:14 |
| 2025 | Nov | 10 | (Mon) | 05:55 | 06:17 | 107 | 12:04 | 60S | 17:51 | 252 | 18:14 |
| 2025 | Nov | 11 | (Tue) | 05:56 | 06:18 | 108 | 12:05 | 60S | 17:51 | 252 | 18:13 |
| 2025 | Nov | 12 | (Wed) | 05:56 | 06:18 | 108 | 12:05 | 60S | 17:51 | 252 | 18:13 |
| 2025 | Nov | 13 | (Thu) | 05:56 | 06:18 | 108 | 12:05 | 60S | 17:51 | 252 | 18:13 |
| 2025 | Nov | 14 | (Fri) | 05:57 | 06:19 | 109 | 12:05 | 59S | 17:51 | 251 | 18:13 |
| 2025 | Nov | 15 | (Sat) | 05:57 | 06:19 | 109 | 12:05 | 59S | 17:51 | 251 | 18:13 |
| 2025 | Nov | 16 | (Sun) | 05:57 | 06:20 | 109 | 12:05 | 59S | 17:51 | 251 | 18:13 |
| 2025 | Nov | 17 | (Mon) | 05:58 | 06:20 | 109 | 12:05 | 59S | 17:51 | 251 | 18:13 |
| 2025 | Nov | 18 | (Tue) | 05:58 | 06:21 | 110 | 12:06 | 58S | 17:51 | 250 | 18:13 |
| 2025 | Nov | 19 | (Wed) | 05:59 | 06:21 | 110 | 12:06 | 58S | 17:51 | 250 | 18:13 |
| 2025 | Nov | 20 | (Thu) | 05:59 | 06:22 | 110 | 12:06 | 58S | 17:51 | 250 | 18:13 |
| 2025 | Nov | 21 | (Fri) | 06:00 | 06:22 | 110 | 12:06 | 58S | 17:51 | 250 | 18:13 |
| 2025 | Nov | 22 | (Sat) | 06:00 | 06:23 | 110 | 12:07 | 57S | 17:51 | 249 | 18:13 |
| 2025 | Nov | 23 | (Sun) | 06:00 | 06:23 | 111 | 12:07 | 57S | 17:51 | 249 | 18:13 |
| 2025 | Nov | 24 | (Mon) | 06:01 | 06:24 | 111 | 12:07 | 57S | 17:51 | 249 | 18:13 |
| 2025 | Nov | 25 | (Tue) | 06:01 | 06:24 | 111 | 12:08 | 57S | 17:51 | 249 | 18:14 |
| 2025 | Nov | 26 | (Wed) | 06:02 | 06:25 | 111 | 12:08 | 57S | 17:51 | 249 | 18:14 |
| 2025 | Nov | 27 | (Thu) | 06:02 | 06:25 | 112 | 12:08 | 56S | 17:51 | 248 | 18:14 |
| 2025 | Nov | 28 | (Fri) | 06:03 | 06:26 | 112 | 12:08 | 56S | 17:51 | 248 | 18:14 |
| 2025 | Nov | 29 | (Sat) | 06:03 | 06:26 | 112 | 12:09 | 56S | 17:51 | 248 | 18:14 |
| 2025 | Nov | 30 | (Sun) | 06:04 | 06:27 | 112 | 12:09 | 56S | 17:52 | 248 | 18:14 |
| 2025 | Dec | 01 | (Mon) | 06:04 | 06:27 | 112 | 12:10 | 56S | 17:52 | 248 | 18:15 |
| 2025 | Dec | 02 | (Tue) | 06:05 | 06:28 | 112 | 12:10 | 56S | 17:52 | 248 | 18:15 |
| 2025 | Dec | 03 | (Wed) | 06:05 | 06:28 | 113 | 12:10 | 55S | 17:52 | 247 | 18:15 |
| 2025 | Dec | 04 | (Thu) | 06:06 | 06:29 | 113 | 12:11 | 55S | 17:53 | 247 | 18:15 |
| 2025 | Dec | 05 | (Fri) | 06:06 | 06:29 | 113 | 12:11 | 55S | 17:53 | 247 | 18:16 |
| 2025 | Dec | 06 | (Sat) | 06:07 | 06:30 | 113 | 12:12 | 55S | 17:53 | 247 | 18:16 |
| 2025 | Dec | 07 | (Sun) | 06:07 | 06:30 | 113 | 12:12 | 55S | 17:53 | 247 | 18:16 |
| 2025 | Dec | 08 | (Mon) | 06:08 | 06:31 | 113 | 12:12 | 55S | 17:54 | 247 | 18:17 |
| 2025 | Dec | 09 | (Tue) | 06:09 | 06:32 | 113 | 12:13 | 55S | 17:54 | 247 | 18:17 |
| 2025 | Dec | 10 | (Wed) | 06:09 | 06:32 | 113 | 12:13 | 55S | 17:54 | 247 | 18:17 |
| 2025 | Dec | 11 | (Thu) | 06:10 | 06:33 | 113 | 12:14 | 55S | 17:55 | 247 | 18:18 |
| 2025 | Dec | 12 | (Fri) | 06:10 | 06:33 | 114 | 12:14 | 54S | 17:55 | 246 | 18:18 |
| 2025 | Dec | 13 | (Sat) | 06:11 | 06:34 | 114 | 12:15 | 54S | 17:56 | 246 | 18:19 |

|      |        |       |       |       |     |       |     |       |     |       |
|------|--------|-------|-------|-------|-----|-------|-----|-------|-----|-------|
| 2025 | Dec 14 | (Sun) | 06:11 | 06:34 | 114 | 12:15 | 54S | 17:56 | 246 | 18:19 |
| 2025 | Dec 15 | (Mon) | 06:12 | 06:35 | 114 | 12:16 | 54S | 17:56 | 246 | 18:20 |
| 2025 | Dec 16 | (Tue) | 06:12 | 06:35 | 114 | 12:16 | 54S | 17:57 | 246 | 18:20 |
| 2025 | Dec 17 | (Wed) | 06:13 | 06:36 | 114 | 12:17 | 54S | 17:57 | 246 | 18:20 |
| 2025 | Dec 18 | (Thu) | 06:13 | 06:36 | 114 | 12:17 | 54S | 17:58 | 246 | 18:21 |
| 2025 | Dec 19 | (Fri) | 06:14 | 06:37 | 114 | 12:18 | 54S | 17:58 | 246 | 18:21 |
| 2025 | Dec 20 | (Sat) | 06:14 | 06:37 | 114 | 12:18 | 54S | 17:59 | 246 | 18:22 |
| 2025 | Dec 21 | (Sun) | 06:15 | 06:38 | 114 | 12:19 | 54S | 17:59 | 246 | 18:22 |
| 2025 | Dec 22 | (Mon) | 06:15 | 06:38 | 114 | 12:19 | 54S | 18:00 | 246 | 18:23 |
| 2025 | Dec 23 | (Tue) | 06:16 | 06:39 | 114 | 12:20 | 54S | 18:00 | 246 | 18:23 |
| 2025 | Dec 24 | (Wed) | 06:16 | 06:39 | 114 | 12:20 | 54S | 18:01 | 246 | 18:24 |
| 2025 | Dec 25 | (Thu) | 06:17 | 06:40 | 114 | 12:21 | 54S | 18:01 | 246 | 18:24 |
| 2025 | Dec 26 | (Fri) | 06:17 | 06:40 | 114 | 12:21 | 54S | 18:02 | 246 | 18:25 |
| 2025 | Dec 27 | (Sat) | 06:18 | 06:41 | 114 | 12:22 | 54S | 18:02 | 246 | 18:25 |
| 2025 | Dec 28 | (Sun) | 06:18 | 06:41 | 114 | 12:22 | 54S | 18:03 | 246 | 18:26 |
| 2025 | Dec 29 | (Mon) | 06:19 | 06:42 | 114 | 12:23 | 54S | 18:03 | 246 | 18:27 |
| 2025 | Dec 30 | (Tue) | 06:19 | 06:42 | 114 | 12:23 | 54S | 18:04 | 246 | 18:27 |
| 2025 | Dec 31 | (Wed) | 06:19 | 06:42 | 114 | 12:24 | 55S | 18:05 | 246 | 18:28 |

# Moon

Phetchaburi  
Location: E 99°51'57.5", N13°07'01.2", 0m  
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

| Date<br>(Zone)    | Rise  | Az. | Transit | Alt. | Set   | Az. |
|-------------------|-------|-----|---------|------|-------|-----|
|                   | h     | m   | °       | h    | m     | °   |
| 2025 Jan 01 (Wed) | 07:52 | 117 | 13:39   | 52S  | 19:27 | 245 |
| 2025 Jan 02 (Thu) | 08:43 | 113 | 14:33   | 56S  | 20:26 | 250 |
| 2025 Jan 03 (Fri) | 09:30 | 107 | 15:25   | 62S  | 21:23 | 255 |
| 2025 Jan 04 (Sat) | 10:13 | 101 | 16:14   | 68S  | 22:18 | 262 |
| 2025 Jan 05 (Sun) | 10:54 | 94  | 17:01   | 75S  | 23:11 | 269 |
| 2025 Jan 06 (Mon) | 11:34 | 87  | 17:48   | 82S  |       |     |
| 2025 Jan 07 (Tue) | 12:16 | 80  | 18:36   | 89S  | 00:05 | 276 |
| 2025 Jan 08 (Wed) | 12:59 | 74  | 19:27   | 87N  | 01:01 | 283 |
| 2025 Jan 09 (Thu) | 13:47 | 68  | 20:22   | 81N  | 01:59 | 289 |
| 2025 Jan 10 (Fri) | 14:39 | 64  | 21:20   | 77N  | 02:59 | 294 |
| 2025 Jan 11 (Sat) | 15:37 | 61  | 22:21   | 75N  | 04:02 | 298 |
| 2025 Jan 12 (Sun) | 16:37 | 61  | 23:22   | 75N  | 05:06 | 299 |
| 2025 Jan 13 (Mon) | 17:39 | 62  |         |      | 06:06 | 299 |
| 2025 Jan 14 (Tue) | 18:39 | 65  | 00:21   | 77N  | 07:02 | 296 |
| 2025 Jan 15 (Wed) | 19:35 | 70  | 01:16   | 81N  | 07:51 | 292 |
| 2025 Jan 16 (Thu) | 20:28 | 75  | 02:07   | 85N  | 08:35 | 288 |
| 2025 Jan 17 (Fri) | 21:17 | 81  | 02:53   | 91S  | 09:14 | 282 |
| 2025 Jan 18 (Sat) | 22:03 | 87  | 03:35   | 85S  | 09:50 | 276 |
| 2025 Jan 19 (Sun) | 22:48 | 93  | 04:15   | 79S  | 10:25 | 270 |
| 2025 Jan 20 (Mon) | 23:33 | 99  | 04:54   | 73S  | 10:58 | 264 |
| 2025 Jan 21 (Tue) |       |     | 05:34   | 67S  | 11:33 | 258 |
| 2025 Jan 22 (Wed) | 00:19 | 105 | 06:15   | 62S  | 12:09 | 253 |
| 2025 Jan 23 (Thu) | 01:07 | 110 | 06:58   | 57S  | 12:48 | 248 |
| 2025 Jan 24 (Fri) | 01:57 | 114 | 07:45   | 53S  | 13:32 | 244 |
| 2025 Jan 25 (Sat) | 02:51 | 117 | 08:36   | 50S  | 14:20 | 242 |
| 2025 Jan 26 (Sun) | 03:47 | 119 | 09:31   | 49S  | 15:14 | 241 |
| 2025 Jan 27 (Mon) | 04:44 | 119 | 10:28   | 49S  | 16:12 | 241 |
| 2025 Jan 28 (Tue) | 05:40 | 118 | 11:26   | 51S  | 17:12 | 244 |
| 2025 Jan 29 (Wed) | 06:33 | 114 | 12:22   | 54S  | 18:13 | 248 |
| 2025 Jan 30 (Thu) | 07:23 | 110 | 13:16   | 59S  | 19:12 | 253 |
| 2025 Jan 31 (Fri) | 08:09 | 104 | 14:08   | 66S  | 20:10 | 260 |
| 2025 Feb 01 (Sat) | 08:52 | 97  | 14:57   | 73S  | 21:05 | 267 |
| 2025 Feb 02 (Sun) | 09:33 | 89  | 15:45   | 80S  | 22:00 | 274 |
| 2025 Feb 03 (Mon) | 10:15 | 82  | 16:34   | 87S  | 22:56 | 281 |
| 2025 Feb 04 (Tue) | 10:58 | 76  | 17:24   | 88N  | 23:54 | 288 |
| 2025 Feb 05 (Wed) | 11:44 | 70  | 18:17   | 82N  |       |     |
| 2025 Feb 06 (Thu) | 12:35 | 65  | 19:14   | 78N  | 00:53 | 293 |

|                   |           |           |           |
|-------------------|-----------|-----------|-----------|
| 2025 Feb 07 (Fri) | 13:30 62  | 20:13 76N | 01:55 297 |
| 2025 Feb 08 (Sat) | 14:28 61  | 21:13 75N | 02:57 299 |
| 2025 Feb 09 (Sun) | 15:28 61  | 22:12 76N | 03:57 299 |
| 2025 Feb 10 (Mon) | 16:28 64  | 23:07 79N | 04:53 298 |
| 2025 Feb 11 (Tue) | 17:25 68  | 23:59 83N | 05:44 294 |
| 2025 Feb 12 (Wed) | 18:18 73  |           | 06:30 290 |
| 2025 Feb 13 (Thu) | 19:08 79  | 00:46 88N | 07:10 284 |
| 2025 Feb 14 (Fri) | 19:56 85  | 01:29 87S | 07:47 278 |
| 2025 Feb 15 (Sat) | 20:41 91  | 02:10 81S | 08:22 272 |
| 2025 Feb 16 (Sun) | 21:26 97  | 02:50 75S | 08:56 266 |
| 2025 Feb 17 (Mon) | 22:12 103 | 03:30 69S | 09:30 260 |
| 2025 Feb 18 (Tue) | 22:59 108 | 04:10 64S | 10:05 255 |
| 2025 Feb 19 (Wed) | 23:48 112 | 04:52 59S | 10:43 250 |
| 2025 Feb 20 (Thu) |           | 05:37 54S | 11:24 246 |
| 2025 Feb 21 (Fri) | 00:40 116 | 06:26 51S | 12:10 243 |
| 2025 Feb 22 (Sat) | 01:34 119 | 07:18 49S | 13:01 241 |
| 2025 Feb 23 (Sun) | 02:30 120 | 08:13 48S | 13:56 241 |
| 2025 Feb 24 (Mon) | 03:26 119 | 09:10 49S | 14:55 242 |
| 2025 Feb 25 (Tue) | 04:20 116 | 10:06 52S | 15:55 245 |
| 2025 Feb 26 (Wed) | 05:11 112 | 11:01 57S | 16:55 250 |
| 2025 Feb 27 (Thu) | 05:58 107 | 11:55 62S | 17:54 256 |
| 2025 Feb 28 (Fri) | 06:43 100 | 12:46 69S | 18:52 264 |
| 2025 Mar 01 (Sat) | 07:27 93  | 13:36 77S | 19:49 271 |
| 2025 Mar 02 (Sun) | 08:09 85  | 14:26 84S | 20:46 279 |
| 2025 Mar 03 (Mon) | 08:53 78  | 15:17 90N | 21:45 286 |
| 2025 Mar 04 (Tue) | 09:40 71  | 16:11 84N | 22:46 292 |
| 2025 Mar 05 (Wed) | 10:30 66  | 17:08 79N | 23:48 296 |
| 2025 Mar 06 (Thu) | 11:25 62  | 18:07 76N |           |
| 2025 Mar 07 (Fri) | 12:23 61  | 19:08 75N | 00:51 299 |
| 2025 Mar 08 (Sat) | 13:23 61  | 20:07 76N | 01:52 300 |
| 2025 Mar 09 (Sun) | 14:22 63  | 21:03 78N | 02:50 298 |
| 2025 Mar 10 (Mon) | 15:19 66  | 21:55 82N | 03:41 296 |
| 2025 Mar 11 (Tue) | 16:13 71  | 22:42 87N | 04:27 291 |
| 2025 Mar 12 (Wed) | 17:03 76  | 23:26 89S | 05:09 286 |
| 2025 Mar 13 (Thu) | 17:51 82  |           | 05:47 281 |
| 2025 Mar 14 (Fri) | 18:37 88  | 00:08 84S | 06:22 275 |
| 2025 Mar 15 (Sat) | 19:22 95  | 00:48 77S | 06:56 269 |
| 2025 Mar 16 (Sun) | 20:07 100 | 01:27 71S | 07:30 263 |
| 2025 Mar 17 (Mon) | 20:53 106 | 02:07 66S | 08:04 257 |
| 2025 Mar 18 (Tue) | 21:42 111 | 02:48 60S | 08:41 252 |
| 2025 Mar 19 (Wed) | 22:32 115 | 03:32 56S | 09:21 247 |
| 2025 Mar 20 (Thu) | 23:25 118 | 04:19 52S | 10:04 244 |
| 2025 Mar 21 (Fri) |           | 05:09 50S | 10:52 241 |
| 2025 Mar 22 (Sat) | 00:19 119 | 06:02 48S | 11:44 240 |
| 2025 Mar 23 (Sun) | 01:14 119 | 06:57 49S | 12:40 241 |
| 2025 Mar 24 (Mon) | 02:07 118 | 07:52 51S | 13:38 244 |
| 2025 Mar 25 (Tue) | 02:58 115 | 08:47 54S | 14:37 248 |
| 2025 Mar 26 (Wed) | 03:46 110 | 09:39 59S | 15:35 253 |
| 2025 Mar 27 (Thu) | 04:32 104 | 10:31 66S | 16:33 260 |
| 2025 Mar 28 (Fri) | 05:16 97  | 11:21 73S | 17:30 267 |
| 2025 Mar 29 (Sat) | 05:59 89  | 12:12 80S | 18:28 275 |
| 2025 Mar 30 (Sun) | 06:43 81  | 13:04 88S | 19:28 282 |
| 2025 Mar 31 (Mon) | 07:30 74  | 13:58 87N | 20:30 289 |
| 2025 Apr 01 (Tue) | 08:20 68  | 14:56 81N | 21:34 294 |
| 2025 Apr 02 (Wed) | 09:15 64  | 15:56 77N | 22:40 298 |
| 2025 Apr 03 (Thu) | 10:14 61  | 16:59 75N | 23:44 299 |
| 2025 Apr 04 (Fri) | 11:15 61  | 18:00 75N |           |
| 2025 Apr 05 (Sat) | 12:16 62  | 18:58 77N | 00:44 299 |
| 2025 Apr 06 (Sun) | 13:14 65  | 19:52 80N | 01:38 297 |
| 2025 Apr 07 (Mon) | 14:09 69  | 20:41 85N | 02:26 293 |
| 2025 Apr 08 (Tue) | 15:00 75  | 21:25 90N | 03:09 288 |
| 2025 Apr 09 (Wed) | 15:48 80  | 22:07 85S | 03:48 282 |
| 2025 Apr 10 (Thu) | 16:34 86  | 22:47 79S | 04:23 277 |
| 2025 Apr 11 (Fri) | 17:19 92  | 23:26 73S | 04:57 271 |
| 2025 Apr 12 (Sat) | 18:04 98  |           | 05:31 265 |
| 2025 Apr 13 (Sun) | 18:50 104 | 00:06 68S | 06:05 259 |
| 2025 Apr 14 (Mon) | 19:38 109 | 00:47 62S | 06:41 253 |

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|-------------------|-----------|-----------|-----------|
| 2025 Apr 15 (Tue) | 20:27 114 | 01:30 57S | 07:19 249 |
| 2025 Apr 16 (Wed) | 21:19 117 | 02:15 53S | 08:02 245 |
| 2025 Apr 17 (Thu) | 22:13 119 | 03:04 50S | 08:48 242 |
| 2025 Apr 18 (Fri) | 23:07 119 | 03:56 49S | 09:38 241 |
| 2025 Apr 19 (Sat) | 23:59 119 | 04:49 48S | 10:32 241 |
| 2025 Apr 20 (Sun) |           | 05:43 50S | 11:28 242 |
| 2025 Apr 21 (Mon) | 00:50 116 | 06:37 53S | 12:25 246 |
| 2025 Apr 22 (Tue) | 01:38 112 | 07:29 57S | 13:22 251 |
| 2025 Apr 23 (Wed) | 02:23 106 | 08:19 63S | 14:18 256 |
| 2025 Apr 24 (Thu) | 03:06 100 | 09:08 69S | 15:13 263 |
| 2025 Apr 25 (Fri) | 03:48 93  | 09:57 76S | 16:09 271 |
| 2025 Apr 26 (Sat) | 04:31 85  | 10:47 84S | 17:07 278 |
| 2025 Apr 27 (Sun) | 05:16 78  | 11:40 90N | 18:08 286 |
| 2025 Apr 28 (Mon) | 06:05 71  | 12:37 84N | 19:13 292 |
| 2025 Apr 29 (Tue) | 06:59 66  | 13:38 79N | 20:20 296 |
| 2025 Apr 30 (Wed) | 07:58 62  | 14:42 76N | 21:27 299 |
| 2025 May 01 (Thu) | 09:01 61  | 15:46 75N | 22:32 299 |
| 2025 May 02 (Fri) | 10:04 61  | 16:48 76N | 23:30 297 |
| 2025 May 03 (Sat) | 11:06 64  | 17:45 79N |           |
| 2025 May 04 (Sun) | 12:03 68  | 18:37 83N | 00:22 294 |
| 2025 May 05 (Mon) | 12:56 73  | 19:24 89N | 01:07 289 |
| 2025 May 06 (Tue) | 13:46 79  | 20:06 87S | 01:48 284 |
| 2025 May 07 (Wed) | 14:32 85  | 20:47 81S | 02:24 278 |
| 2025 May 08 (Thu) | 15:17 91  | 21:26 75S | 02:59 272 |
| 2025 May 09 (Fri) | 16:02 97  | 22:05 69S | 03:32 266 |
| 2025 May 10 (Sat) | 16:47 102 | 22:46 64S | 04:06 261 |
| 2025 May 11 (Sun) | 17:34 108 | 23:28 59S | 04:41 255 |
| 2025 May 12 (Mon) | 18:23 112 |           | 05:19 250 |
| 2025 May 13 (Tue) | 19:15 116 | 00:13 55S | 06:00 246 |
| 2025 May 14 (Wed) | 20:08 118 | 01:01 51S | 06:45 243 |
| 2025 May 15 (Thu) | 21:02 119 | 01:52 49S | 07:35 241 |
| 2025 May 16 (Fri) | 21:55 119 | 02:45 48S | 08:28 241 |
| 2025 May 17 (Sat) | 22:46 117 | 03:39 49S | 09:23 242 |
| 2025 May 18 (Sun) | 23:34 113 | 04:32 52S | 10:19 245 |
| 2025 May 19 (Mon) |           | 05:23 56S | 11:15 249 |
| 2025 May 20 (Tue) | 00:19 108 | 06:13 61S | 12:09 254 |
| 2025 May 21 (Wed) | 01:01 102 | 07:00 67S | 13:03 261 |
| 2025 May 22 (Thu) | 01:42 96  | 07:48 73S | 13:57 268 |
| 2025 May 23 (Fri) | 02:23 89  | 08:35 80S | 14:52 275 |
| 2025 May 24 (Sat) | 03:05 82  | 09:25 88S | 15:49 282 |
| 2025 May 25 (Sun) | 03:51 75  | 10:19 87N | 16:51 289 |
| 2025 May 26 (Mon) | 04:42 69  | 11:17 81N | 17:56 294 |
| 2025 May 27 (Tue) | 05:38 64  | 12:20 77N | 19:04 298 |
| 2025 May 28 (Wed) | 06:40 61  | 13:25 75N | 20:11 299 |
| 2025 May 29 (Thu) | 07:45 61  | 14:30 76N | 21:15 298 |
| 2025 May 30 (Fri) | 08:50 63  | 15:32 78N | 22:11 296 |
| 2025 May 31 (Sat) | 09:51 66  | 16:27 82N | 23:01 291 |
| 2025 Jun 01 (Sun) | 10:48 71  | 17:17 87N | 23:44 286 |
| 2025 Jun 02 (Mon) | 11:40 77  | 18:03 89S |           |
| 2025 Jun 03 (Tue) | 12:28 83  | 18:45 83S | 00:23 280 |
| 2025 Jun 04 (Wed) | 13:14 89  | 19:25 77S | 00:59 274 |
| 2025 Jun 05 (Thu) | 13:59 95  | 20:04 71S | 01:33 268 |
| 2025 Jun 06 (Fri) | 14:44 101 | 20:44 66S | 02:06 262 |
| 2025 Jun 07 (Sat) | 15:30 106 | 21:25 60S | 02:41 257 |
| 2025 Jun 08 (Sun) | 16:19 111 | 22:09 56S | 03:18 252 |
| 2025 Jun 09 (Mon) | 17:10 115 | 22:57 52S | 03:58 247 |
| 2025 Jun 10 (Tue) | 18:03 118 | 23:47 50S | 04:42 244 |
| 2025 Jun 11 (Wed) | 18:57 119 |           | 05:31 242 |
| 2025 Jun 12 (Thu) | 19:51 119 | 00:40 49S | 06:23 241 |
| 2025 Jun 13 (Fri) | 20:43 117 | 01:34 49S | 07:18 242 |
| 2025 Jun 14 (Sat) | 21:32 114 | 02:28 51S | 08:15 244 |
| 2025 Jun 15 (Sun) | 22:18 110 | 03:20 54S | 09:10 248 |
| 2025 Jun 16 (Mon) | 23:00 104 | 04:10 59S | 10:05 253 |
| 2025 Jun 17 (Tue) | 23:41 98  | 04:58 65S | 10:58 259 |
| 2025 Jun 18 (Wed) |           | 05:44 71S | 11:51 265 |
| 2025 Jun 19 (Thu) | 00:20 91  | 06:30 78S | 12:44 272 |
| 2025 Jun 20 (Fri) | 01:01 84  | 07:18 85S | 13:38 280 |

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|-------------------|-------|-----|-------|-----|-------|-----|
| 2025 Jun 21 (Sat) | 01:44 | 77  | 08:08 | 90N | 14:36 | 286 |
| 2025 Jun 22 (Sun) | 02:30 | 71  | 09:02 | 84N | 15:38 | 292 |
| 2025 Jun 23 (Mon) | 03:23 | 66  | 10:02 | 79N | 16:43 | 296 |
| 2025 Jun 24 (Tue) | 04:21 | 62  | 11:05 | 76N | 17:50 | 299 |
| 2025 Jun 25 (Wed) | 05:24 | 61  | 12:10 | 75N | 18:56 | 299 |
| 2025 Jun 26 (Thu) | 06:30 | 62  | 13:14 | 77N | 19:56 | 297 |
| 2025 Jun 27 (Fri) | 07:34 | 65  | 14:13 | 80N | 20:50 | 293 |
| 2025 Jun 28 (Sat) | 08:34 | 69  | 15:07 | 84N | 21:37 | 288 |
| 2025 Jun 29 (Sun) | 09:29 | 74  | 15:55 | 90N | 22:18 | 283 |
| 2025 Jun 30 (Mon) | 10:20 | 80  | 16:39 | 85S | 22:56 | 277 |
| 2025 Jul 01 (Tue) | 11:08 | 86  | 17:21 | 79S | 23:31 | 270 |
| 2025 Jul 02 (Wed) | 11:54 | 93  | 18:01 | 73S |       |     |
| 2025 Jul 03 (Thu) | 12:39 | 99  | 18:41 | 68S | 00:05 | 264 |
| 2025 Jul 04 (Fri) | 13:25 | 104 | 19:22 | 62S | 00:40 | 259 |
| 2025 Jul 05 (Sat) | 14:13 | 109 | 20:05 | 57S | 01:16 | 253 |
| 2025 Jul 06 (Sun) | 15:03 | 114 | 20:51 | 53S | 01:55 | 249 |
| 2025 Jul 07 (Mon) | 15:55 | 117 | 21:40 | 50S | 02:37 | 245 |
| 2025 Jul 08 (Tue) | 16:49 | 119 | 22:33 | 49S | 03:24 | 242 |
| 2025 Jul 09 (Wed) | 17:44 | 119 | 23:27 | 49S | 04:16 | 241 |
| 2025 Jul 10 (Thu) | 18:37 | 118 |       |     | 05:10 | 241 |
| 2025 Jul 11 (Fri) | 19:28 | 115 | 00:22 | 50S | 06:07 | 243 |
| 2025 Jul 12 (Sat) | 20:15 | 111 | 01:15 | 53S | 07:04 | 246 |
| 2025 Jul 13 (Sun) | 20:59 | 106 | 02:07 | 58S | 08:00 | 251 |
| 2025 Jul 14 (Mon) | 21:41 | 100 | 02:56 | 63S | 08:55 | 257 |
| 2025 Jul 15 (Tue) | 22:21 | 93  | 03:43 | 69S | 09:48 | 264 |
| 2025 Jul 16 (Wed) | 23:00 | 86  | 04:29 | 76S | 10:40 | 271 |
| 2025 Jul 17 (Thu) | 23:42 | 79  | 05:15 | 83S | 11:34 | 278 |
| 2025 Jul 18 (Fri) |       |     | 06:04 | 90S | 12:29 | 284 |
| 2025 Jul 19 (Sat) | 00:26 | 73  | 06:55 | 85N | 13:28 | 290 |
| 2025 Jul 20 (Sun) | 01:15 | 67  | 07:51 | 80N | 14:30 | 295 |
| 2025 Jul 21 (Mon) | 02:09 | 63  | 08:51 | 77N | 15:35 | 298 |
| 2025 Jul 22 (Tue) | 03:09 | 61  | 09:54 | 75N | 16:40 | 299 |
| 2025 Jul 23 (Wed) | 04:13 | 61  | 10:58 | 76N | 17:41 | 298 |
| 2025 Jul 24 (Thu) | 05:17 | 63  | 11:58 | 78N | 18:37 | 295 |
| 2025 Jul 25 (Fri) | 06:18 | 67  | 12:54 | 82N | 19:27 | 291 |
| 2025 Jul 26 (Sat) | 07:16 | 72  | 13:45 | 87N | 20:11 | 285 |
| 2025 Jul 27 (Sun) | 08:09 | 78  | 14:32 | 88S | 20:51 | 279 |
| 2025 Jul 28 (Mon) | 08:59 | 84  | 15:15 | 82S | 21:27 | 273 |
| 2025 Jul 29 (Tue) | 09:46 | 90  | 15:56 | 76S | 22:02 | 267 |
| 2025 Jul 30 (Wed) | 10:32 | 96  | 16:36 | 70S | 22:37 | 261 |
| 2025 Jul 31 (Thu) | 11:19 | 102 | 17:17 | 64S | 23:13 | 255 |
| 2025 Aug 01 (Fri) | 12:06 | 107 | 17:59 | 59S | 23:51 | 250 |
| 2025 Aug 02 (Sat) | 12:55 | 112 | 18:44 | 55S |       |     |
| 2025 Aug 03 (Sun) | 13:46 | 116 | 19:32 | 51S | 00:31 | 246 |
| 2025 Aug 04 (Mon) | 14:39 | 118 | 20:23 | 49S | 01:16 | 243 |
| 2025 Aug 05 (Tue) | 15:34 | 119 | 21:16 | 48S | 02:06 | 241 |
| 2025 Aug 06 (Wed) | 16:28 | 119 | 22:11 | 49S | 02:59 | 241 |
| 2025 Aug 07 (Thu) | 17:20 | 117 | 23:06 | 52S | 03:56 | 242 |
| 2025 Aug 08 (Fri) | 18:09 | 113 | 23:59 | 56S | 04:53 | 245 |
| 2025 Aug 09 (Sat) | 18:55 | 108 |       |     | 05:51 | 249 |
| 2025 Aug 10 (Sun) | 19:38 | 102 | 00:50 | 61S | 06:47 | 255 |
| 2025 Aug 11 (Mon) | 20:19 | 95  | 01:38 | 67S | 07:41 | 261 |
| 2025 Aug 12 (Tue) | 21:00 | 88  | 02:26 | 74S | 08:35 | 268 |
| 2025 Aug 13 (Wed) | 21:41 | 81  | 03:13 | 81S | 09:29 | 276 |
| 2025 Aug 14 (Thu) | 22:25 | 74  | 04:01 | 88S | 10:25 | 282 |
| 2025 Aug 15 (Fri) | 23:12 | 69  | 04:52 | 87N | 11:23 | 289 |
| 2025 Aug 16 (Sat) |       |     | 05:46 | 82N | 12:24 | 294 |
| 2025 Aug 17 (Sun) | 00:04 | 64  | 06:44 | 78N | 13:27 | 298 |
| 2025 Aug 18 (Mon) | 01:01 | 61  | 07:45 | 75N | 14:31 | 299 |
| 2025 Aug 19 (Tue) | 02:02 | 61  | 08:48 | 75N | 15:32 | 299 |
| 2025 Aug 20 (Wed) | 03:05 | 62  | 09:48 | 77N | 16:29 | 297 |
| 2025 Aug 21 (Thu) | 04:06 | 65  | 10:45 | 80N | 17:20 | 293 |
| 2025 Aug 22 (Fri) | 05:05 | 70  | 11:37 | 85N | 18:05 | 288 |
| 2025 Aug 23 (Sat) | 05:59 | 75  | 12:24 | 91S | 18:46 | 282 |
| 2025 Aug 24 (Sun) | 06:50 | 81  | 13:08 | 84S | 19:24 | 276 |
| 2025 Aug 25 (Mon) | 07:38 | 88  | 13:50 | 78S | 19:59 | 269 |
| 2025 Aug 26 (Tue) | 08:25 | 94  | 14:31 | 72S | 20:34 | 263 |

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|-------------------|-----------|-----------|-----------|
| 2025 Aug 27 (Wed) | 09:11 100 | 15:12 66S | 21:10 257 |
| 2025 Aug 28 (Thu) | 09:58 106 | 15:54 61S | 21:47 252 |
| 2025 Aug 29 (Fri) | 10:47 110 | 16:38 56S | 22:26 248 |
| 2025 Aug 30 (Sat) | 11:37 115 | 17:24 52S | 23:09 244 |
| 2025 Aug 31 (Sun) | 12:29 117 | 18:13 50S | 23:57 242 |
| 2025 Sep 01 (Mon) | 13:22 119 | 19:05 48S |           |
| 2025 Sep 02 (Tue) | 14:16 119 | 19:59 49S | 00:48 241 |
| 2025 Sep 03 (Wed) | 15:09 118 | 20:53 50S | 01:42 241 |
| 2025 Sep 04 (Thu) | 15:59 115 | 21:47 54S | 02:39 243 |
| 2025 Sep 05 (Fri) | 16:46 110 | 22:38 58S | 03:36 247 |
| 2025 Sep 06 (Sat) | 17:31 105 | 23:28 64S | 04:33 252 |
| 2025 Sep 07 (Sun) | 18:13 98  |           | 05:29 258 |
| 2025 Sep 08 (Mon) | 18:55 91  | 00:17 71S | 06:24 265 |
| 2025 Sep 09 (Tue) | 19:37 84  | 01:06 78S | 07:20 273 |
| 2025 Sep 10 (Wed) | 20:21 77  | 01:55 85S | 08:16 280 |
| 2025 Sep 11 (Thu) | 21:08 70  | 02:46 89N | 09:15 287 |
| 2025 Sep 12 (Fri) | 22:00 65  | 03:41 83N | 10:16 292 |
| 2025 Sep 13 (Sat) | 22:56 62  | 04:39 79N | 11:20 297 |
| 2025 Sep 14 (Sun) | 23:56 61  | 05:40 76N | 12:24 299 |
| 2025 Sep 15 (Mon) |           | 06:42 75N | 13:27 299 |
| 2025 Sep 16 (Tue) | 00:58 61  | 07:42 76N | 14:24 298 |
| 2025 Sep 17 (Wed) | 02:00 64  | 08:39 79N | 15:16 294 |
| 2025 Sep 18 (Thu) | 02:58 68  | 09:32 83N | 16:03 290 |
| 2025 Sep 19 (Fri) | 03:52 73  | 10:20 89N | 16:44 284 |
| 2025 Sep 20 (Sat) | 04:44 79  | 11:05 87S | 17:22 278 |
| 2025 Sep 21 (Sun) | 05:32 85  | 11:47 81S | 17:58 272 |
| 2025 Sep 22 (Mon) | 06:19 91  | 12:28 74S | 18:33 265 |
| 2025 Sep 23 (Tue) | 07:06 98  | 13:08 68S | 19:08 260 |
| 2025 Sep 24 (Wed) | 07:52 103 | 13:50 63S | 19:44 254 |
| 2025 Sep 25 (Thu) | 08:40 109 | 14:33 58S | 20:23 249 |
| 2025 Sep 26 (Fri) | 09:29 113 | 15:18 54S | 21:05 245 |
| 2025 Sep 27 (Sat) | 10:21 116 | 16:06 51S | 21:50 242 |
| 2025 Sep 28 (Sun) | 11:13 119 | 16:56 49S | 22:39 241 |
| 2025 Sep 29 (Mon) | 12:06 119 | 17:49 48S | 23:31 241 |
| 2025 Sep 30 (Tue) | 12:58 119 | 18:42 49S |           |
| 2025 Oct 01 (Wed) | 13:49 116 | 19:35 52S | 00:26 242 |
| 2025 Oct 02 (Thu) | 14:36 113 | 20:26 56S | 01:22 245 |
| 2025 Oct 03 (Fri) | 15:21 108 | 21:16 61S | 02:18 249 |
| 2025 Oct 04 (Sat) | 16:04 102 | 22:05 68S | 03:13 255 |
| 2025 Oct 05 (Sun) | 16:46 95  | 22:53 75S | 04:08 262 |
| 2025 Oct 06 (Mon) | 17:28 87  | 23:42 82S | 05:04 269 |
| 2025 Oct 07 (Tue) | 18:12 80  |           | 06:00 276 |
| 2025 Oct 08 (Wed) | 18:59 73  | 00:34 89S | 06:59 284 |
| 2025 Oct 09 (Thu) | 19:50 67  | 01:28 86N | 08:02 290 |
| 2025 Oct 10 (Fri) | 20:47 63  | 02:27 80N | 09:07 295 |
| 2025 Oct 11 (Sat) | 21:48 61  | 03:29 77N | 10:14 298 |
| 2025 Oct 12 (Sun) | 22:51 61  | 04:33 75N | 11:19 299 |
| 2025 Oct 13 (Mon) | 23:54 63  | 05:36 76N | 12:19 298 |
| 2025 Oct 14 (Tue) |           | 06:35 78N | 13:14 295 |
| 2025 Oct 15 (Wed) | 00:53 67  | 07:29 82N | 14:02 291 |
| 2025 Oct 16 (Thu) | 01:49 71  | 08:18 87N | 14:44 286 |
| 2025 Oct 17 (Fri) | 02:41 77  | 09:03 89S | 15:23 280 |
| 2025 Oct 18 (Sat) | 03:29 83  | 09:46 83S | 15:59 274 |
| 2025 Oct 19 (Sun) | 04:16 89  | 10:26 77S | 16:34 268 |
| 2025 Oct 20 (Mon) | 05:02 96  | 11:07 71S | 17:08 262 |
| 2025 Oct 21 (Tue) | 05:48 101 | 11:47 65S | 17:44 256 |
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| 2025 Oct 24 (Fri) | 08:15 115 | 14:01 52S | 19:46 243 |
| 2025 Oct 25 (Sat) | 09:07 118 | 14:51 49S | 20:34 241 |
| 2025 Oct 26 (Sun) | 10:00 119 | 15:42 49S | 21:25 241 |
| 2025 Oct 27 (Mon) | 10:51 119 | 16:34 49S | 22:18 242 |
| 2025 Oct 28 (Tue) | 11:41 117 | 17:26 51S | 23:12 244 |
| 2025 Oct 29 (Wed) | 12:29 114 | 18:17 54S |           |
| 2025 Oct 30 (Thu) | 13:13 110 | 19:05 59S | 00:06 248 |
| 2025 Oct 31 (Fri) | 13:56 104 | 19:53 65S | 01:00 253 |
| 2025 Nov 01 (Sat) | 14:37 98  | 20:40 71S | 01:53 259 |



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|-------------------|-----------|-----------|-----------|
| 2025 Nov 02 (Sun) | 15:17 91  | 21:28 78S | 02:47 265 |
| 2025 Nov 03 (Mon) | 16:00 84  | 22:17 85S | 03:42 273 |
| 2025 Nov 04 (Tue) | 16:45 77  | 23:10 89N | 04:39 280 |
| 2025 Nov 05 (Wed) | 17:34 70  |           | 05:40 287 |
| 2025 Nov 06 (Thu) | 18:30 65  | 00:08 83N | 06:45 293 |
| 2025 Nov 07 (Fri) | 19:31 62  | 01:10 78N | 07:53 297 |
| 2025 Nov 08 (Sat) | 20:36 61  | 02:16 76N | 09:02 299 |
| 2025 Nov 09 (Sun) | 21:42 62  | 03:22 75N | 10:07 299 |
| 2025 Nov 10 (Mon) | 22:45 65  | 04:25 77N | 11:06 296 |
| 2025 Nov 11 (Tue) | 23:43 70  | 05:23 81N | 11:58 292 |
| 2025 Nov 12 (Wed) |           | 06:15 86N | 12:43 287 |
| 2025 Nov 13 (Thu) | 00:37 75  | 07:02 90S | 13:23 282 |
| 2025 Nov 14 (Fri) | 01:27 81  | 07:45 84S | 14:00 275 |
| 2025 Nov 15 (Sat) | 02:14 88  | 08:26 78S | 14:35 269 |
| 2025 Nov 16 (Sun) | 03:00 94  | 09:06 72S | 15:10 263 |
| 2025 Nov 17 (Mon) | 03:46 100 | 09:47 67S | 15:45 258 |
| 2025 Nov 18 (Tue) | 04:32 105 | 10:28 61S | 16:21 252 |
| 2025 Nov 19 (Wed) | 05:20 110 | 11:12 57S | 17:01 248 |
| 2025 Nov 20 (Thu) | 06:10 114 | 11:58 53S | 17:44 244 |
| 2025 Nov 21 (Fri) | 07:02 117 | 12:47 50S | 18:31 242 |
| 2025 Nov 22 (Sat) | 07:55 119 | 13:38 49S | 19:21 241 |
| 2025 Nov 23 (Sun) | 08:47 119 | 14:30 49S | 20:13 241 |
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| 2025 Nov 25 (Tue) | 10:25 115 | 16:12 53S | 22:00 246 |
| 2025 Nov 26 (Wed) | 11:10 111 | 17:00 57S | 22:53 251 |
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| 2025 Nov 28 (Fri) | 12:32 101 | 18:32 69S |           |
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| 2025 Dec 06 (Sat) | 19:20 61  | 00:59 75N | 07:45 299 |
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| 2025 Dec 13 (Sat) | 00:57 92  | 07:05 74S | 13:10 265 |
| 2025 Dec 14 (Sun) | 01:43 98  | 07:45 68S | 13:45 259 |
| 2025 Dec 15 (Mon) | 02:29 104 | 08:26 63S | 14:21 254 |
| 2025 Dec 16 (Tue) | 03:17 109 | 09:09 58S | 15:00 249 |
| 2025 Dec 17 (Wed) | 04:06 113 | 09:55 54S | 15:42 245 |
| 2025 Dec 18 (Thu) | 04:57 116 | 10:43 51S | 16:27 243 |
| 2025 Dec 19 (Fri) | 05:50 118 | 11:33 49S | 17:16 241 |
| 2025 Dec 20 (Sat) | 06:43 119 | 12:26 49S | 18:09 241 |
| 2025 Dec 21 (Sun) | 07:34 118 | 13:18 50S | 19:03 243 |
| 2025 Dec 22 (Mon) | 08:23 116 | 14:09 52S | 19:57 245 |
| 2025 Dec 23 (Tue) | 09:09 112 | 14:58 56S | 20:50 250 |
| 2025 Dec 24 (Wed) | 09:51 108 | 15:45 61S | 21:41 255 |
| 2025 Dec 25 (Thu) | 10:31 102 | 16:30 67S | 22:32 261 |
| 2025 Dec 26 (Fri) | 11:10 96  | 17:14 73S | 23:22 267 |
| 2025 Dec 27 (Sat) | 11:48 89  | 17:59 80S |           |
| 2025 Dec 28 (Sun) | 12:27 83  | 18:45 86S | 00:14 274 |
| 2025 Dec 29 (Mon) | 13:10 76  | 19:35 89N | 01:07 281 |
| 2025 Dec 30 (Tue) | 13:57 70  | 20:30 83N | 02:04 287 |
| 2025 Dec 31 (Wed) | 14:50 65  | 21:29 78N | 03:06 293 |