

JANUAR 2014

| | KASSEL | | | | BERLIN | | | | BREMEN | | | |
|------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|
| | Sonne | | Mond | | Sonne | | Mond | | Sonne | | Mond | |
| Da- tum | Auf- gang | Unter- gang | Auf- gang | Unter- gang | Auf- gang | Unter- gang | Auf- gang | Unter- gang | Auf- gang | Unter- gang | Auf- gang | Unter- gang |
| 01 | 08:27 | 16:25 | 07:55 | 16:59 | 08:17 | 16:03 | 07:43 | 16:37 | 08:39 | 16:18 | 08:05 | 16:54 |
| 02 | 08:27 | 16:26 | 08:42 | 18:17 | 08:17 | 16:04 | 08:31 | 17:57 | 08:38 | 16:19 | 08:51 | 18:14 |
| 03 | 08:26 | 16:27 | 09:22 | 19:39 | 08:17 | 16:05 | 09:09 | 19:19 | 08:38 | 16:21 | 09:29 | 19:37 |
| 04 | 08:26 | 16:28 | 09:55 | 20:59 | 08:17 | 16:06 | 09:41 | 20:41 | 08:38 | 16:22 | 10:00 | 21:00 |
| 05 | 08:26 | 16:29 | 10:23 | 22:17 | 08:16 | 16:08 | 10:08 | 22:01 | 08:38 | 16:23 | 10:27 | 22:20 |
| 06 | 08:26 | 16:30 | 10:49 | 23:33 | 08:16 | 16:09 | 10:33 | 23:17 | 08:37 | 16:24 | 10:52 | 23:37 |
| 07 | 08:25 | 16:32 | 11:15 | — | 08:16 | 16:10 | 10:58 | — | 08:37 | 16:26 | 11:16 | — |
| 08 | 08:25 | 16:33 | 11:41 | 00:45 | 08:15 | 16:12 | 11:23 | 00:31 | 08:36 | 16:27 | 11:41 | 00:51 |
| 09 | 08:24 | 16:34 | 12:09 | 01:55 | 08:14 | 16:13 | 11:50 | 01:41 | 08:36 | 16:29 | 12:07 | 02:02 |
| 10 | 08:24 | 16:36 | 12:40 | 03:02 | 08:14 | 16:14 | 12:20 | 02:49 | 08:35 | 16:30 | 12:37 | 03:10 |
| 11 | 08:23 | 16:37 | 13:16 | 04:04 | 08:13 | 16:16 | 12:55 | 03:53 | 08:34 | 16:31 | 13:12 | 04:14 |
| 12 | 08:22 | 16:38 | 13:57 | 05:02 | 08:12 | 16:17 | 13:36 | 04:51 | 08:33 | 16:33 | 13:52 | 05:13 |
| 13 | 08:22 | 16:40 | 14:44 | 05:55 | 08:12 | 16:19 | 14:22 | 05:44 | 08:33 | 16:35 | 14:39 | 06:05 |
| 14 | 08:21 | 16:41 | 15:36 | 06:41 | 08:11 | 16:21 | 15:15 | 06:30 | 08:32 | 16:36 | 15:31 | 06:51 |
| 15 | 08:20 | 16:43 | 16:32 | 07:20 | 08:10 | 16:22 | 16:12 | 07:09 | 08:31 | 16:38 | 16:29 | 07:30 |
| 16 | 08:19 | 16:45 | 17:32 | 07:54 | 08:09 | 16:24 | 17:12 | 07:42 | 08:30 | 16:40 | 17:30 | 08:03 |
| 17 | 08:18 | 16:46 | 18:34 | 08:24 | 08:08 | 16:25 | 18:15 | 08:11 | 08:29 | 16:41 | 18:33 | 08:31 |
| 18 | 08:17 | 16:48 | 19:37 | 08:50 | 08:07 | 16:27 | 19:19 | 08:36 | 08:28 | 16:43 | 19:37 | 08:56 |
| 19 | 08:17 | 16:49 | 20:41 | 09:13 | 08:06 | 16:29 | 20:24 | 08:59 | 08:27 | 16:45 | 20:43 | 09:18 |
| 20 | 08:15 | 16:51 | 21:46 | 09:36 | 08:05 | 16:30 | 21:30 | 09:20 | 08:26 | 16:46 | 21:49 | 09:39 |
| 21 | 08:14 | 16:53 | 22:52 | 09:58 | 08:04 | 16:32 | 22:37 | 09:42 | 08:24 | 16:48 | 22:56 | 10:00 |
| 22 | 08:13 | 16:54 | 23:59 | 10:21 | 08:03 | 16:34 | 23:45 | 10:04 | 08:23 | 16:50 | — | 10:22 |
| 23 | 08:12 | 16:56 | — | 10:46 | 08:01 | 16:36 | — | 10:28 | 08:22 | 16:52 | 00:05 | 10:46 |
| 24 | 08:11 | 16:58 | 01:08 | 11:15 | 08:00 | 16:38 | 00:55 | 10:56 | 08:21 | 16:54 | 01:16 | 11:13 |
| 25 | 08:10 | 16:59 | 02:18 | 11:50 | 07:59 | 16:39 | 02:06 | 11:30 | 08:19 | 16:55 | 02:27 | 11:47 |
| 26 | 08:08 | 17:01 | 03:28 | 12:33 | 07:57 | 16:41 | 03:17 | 12:12 | 08:18 | 16:57 | 03:38 | 12:29 |
| 27 | 08:07 | 17:03 | 04:35 | 13:26 | 07:56 | 16:43 | 04:24 | 13:05 | 08:16 | 16:59 | 04:46 | 13:22 |
| 28 | 08:06 | 17:05 | 05:36 | 14:31 | 07:55 | 16:45 | 05:25 | 14:09 | 08:15 | 17:01 | 05:46 | 14:26 |
| 29 | 08:04 | 17:06 | 06:28 | 15:45 | 07:53 | 16:47 | 06:17 | 15:24 | 08:13 | 17:03 | 06:38 | 15:41 |
| 30 | 08:03 | 17:08 | 07:13 | 17:05 | 07:52 | 16:49 | 07:00 | 16:45 | 08:12 | 17:05 | 07:21 | 17:03 |
| 31 | 08:01 | 17:10 | 07:50 | 18:28 | 07:50 | 16:50 | 07:36 | 18:09 | 08:10 | 17:07 | 07:56 | 18:27 |

In +50° geogr. Breite: Dauer der bürgerlichen Dämmerung am 15. Jan. 37m.
Tagesl. am 1. Jan. 8h10m, am 31. Jan. 9h17m; somit Zunahme der Tagesl. im Jan. 1h7m.