



Opkomst- en ondergangstijden van de Zon in 2012

| dag | januari | | februari | | maart | | april | | mei | | juni | | juli | | augustus | | september | | oktober | | november | | december | | dag |
|-----|---------|-------|----------|-------|--------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-----------|-------|--------------|--------------|----------|-------|----------|-------|-----|
| | op | onder | op | onder | op | onder | op | onder | op | onder | op | onder | op | onder | op | onder | op | onder | op | onder | op | onder | op | onder | |
| 01 | 08:48 | 16:38 | 08:21 | 17:26 | 07:25 | 18:20 | 07:14 | 20:14 | 06:09 | 21:05 | 05:25 | 21:51 | 05:24 | 22:03 | 06:01 | 21:29 | 06:52 | 20:26 | 07:41 | 19:16 | 07:35 | 17:10 | 08:26 | 16:31 | 01 |
| 02 | 08:48 | 16:39 | 08:19 | 17:28 | 07:22 | 18:21 | 07:11 | 20:16 | 06:07 | 21:07 | 05:24 | 21:52 | 05:24 | 22:03 | 06:03 | 21:27 | 06:53 | 20:24 | 07:43 | 19:14 | 07:37 | 17:08 | 08:27 | 16:30 | 02 |
| 03 | 08:48 | 16:40 | 08:18 | 17:30 | 07:20 | 18:23 | 07:09 | 20:17 | 06:05 | 21:09 | 05:23 | 21:53 | 05:25 | 22:02 | 06:04 | 21:26 | 06:55 | 20:21 | 07:44 | 19:12 | 07:39 | 17:07 | 08:29 | 16:30 | 03 |
| 04 | 08:48 | 16:41 | 08:16 | 17:31 | 07:18 | 18:25 | 07:07 | 20:19 | 06:03 | 21:10 | 05:23 | 21:54 | 05:26 | 22:02 | 06:06 | 21:24 | 06:56 | 20:19 | 07:46 | 19:09 | 07:41 | 17:05 | 08:30 | 16:29 | 04 |
| 05 | 08:47 | 16:42 | 08:14 | 17:33 | 07:16 | 18:27 | 07:04 | 20:21 | 06:01 | 21:12 | 05:22 | 21:55 | 05:27 | 22:01 | 06:08 | 21:22 | 06:58 | 20:17 | 07:48 | 19:07 | 07:42 | 17:03 | 08:31 | 16:29 | 05 |
| 06 | 08:47 | 16:43 | 08:13 | 17:35 | 07:14 | 18:29 | 07:02 | 20:23 | 06:00 | 21:14 | 05:21 | 21:56 | 05:28 | 22:00 | 06:09 | 21:20 | 07:00 | 20:15 | 07:49 | 19:05 | 07:44 | 17:01 | 08:33 | 16:29 | 06 |
| 07 | 08:47 | 16:45 | 08:11 | 17:37 | 07:11 | 18:30 | 07:00 | 20:24 | 05:58 | 21:15 | 05:21 | 21:57 | 05:29 | 22:00 | 06:11 | 21:18 | 07:01 | 20:12 | 07:51 | 19:02 | 07:46 | 17:00 | 08:34 | 16:28 | 07 |
| 08 | 08:46 | 16:46 | 08:09 | 17:39 | 07:09 | 18:32 | 06:58 | 20:26 | 05:56 | 21:17 | 05:20 | 21:57 | 05:30 | 21:59 | 06:12 | 21:17 | 07:03 | 20:10 | 07:53 | 19:00 | 07:48 | 16:58 | 08:35 | 16:28 | 08 |
| 09 | 08:46 | 16:47 | 08:07 | 17:41 | 07:07 | 18:34 | 06:55 | 20:28 | 05:54 | 21:18 | 05:20 | 21:58 | 05:31 | 21:58 | 06:14 | 21:15 | 07:05 | 20:08 | 07:54 | 18:58 | 07:50 | 16:56 | 08:36 | 16:28 | 09 |
| 10 | 08:45 | 16:49 | 08:05 | 17:43 | 07:04 | 18:36 | 06:53 | 20:29 | 05:53 | 21:20 | 05:19 | 21:59 | 05:32 | 21:58 | 06:16 | 21:13 | 07:06 | 20:05 | 07:56 | 18:56 | 07:51 | 16:55 | 08:37 | 16:28 | 10 |
| 11 | 08:44 | 16:50 | 08:04 | 17:45 | 07:02 | 18:38 | 06:51 | 20:31 | 05:51 | 21:22 | 05:19 | 22:00 | 05:33 | 21:57 | 06:17 | 21:11 | 07:08 | 20:03 | 07:58 | 18:53 | 07:53 | 16:53 | 08:38 | 16:27 | 11 |
| 12 | 08:44 | 16:52 | 08:02 | 17:46 | 07:00 | 18:39 | 06:49 | 20:33 | 05:49 | 21:23 | 05:19 | 22:00 | 05:34 | 21:56 | 06:19 | 21:09 | 07:10 | 20:01 | 08:00 | 18:51 | 07:55 | 16:52 | 08:39 | 16:27 | 12 |
| 13 | 08:43 | 16:53 | 08:00 | 17:48 | 06:58 | 18:41 | 06:46 | 20:35 | 05:48 | 21:25 | 05:19 | 22:01 | 05:35 | 21:55 | 06:20 | 21:07 | 07:11 | 19:58 | 08:01 | 18:49 | 07:57 | 16:50 | 08:40 | 16:27 | 13 |
| 14 | 08:42 | 16:55 | 07:58 | 17:50 | 06:55 | 18:43 | 06:44 | 20:36 | 05:46 | 21:26 | 05:19 | 22:01 | 05:36 | 21:54 | 06:22 | 21:05 | 07:13 | 19:56 | 08:03 | 18:47 | 07:58 | 16:49 | 08:41 | 16:27 | 14 |
| 15 | 08:42 | 16:56 | 07:56 | 17:52 | 06:53 | 18:45 | 06:42 | 20:38 | 05:45 | 21:28 | 05:18 | 22:02 | 05:37 | 21:53 | 06:24 | 21:03 | 07:14 | 19:54 | 08:05 | 18:45 | 08:00 | 16:48 | 08:42 | 16:28 | 15 |
| 16 | 08:41 | 16:58 | 07:54 | 17:54 | 06:51 | 18:46 | 06:40 | 20:40 | 05:43 | 21:29 | 05:18 | 22:02 | 05:39 | 21:52 | 06:25 | 21:01 | 07:16 | 19:51 | 08:07 | 18:42 | 08:02 | 16:46 | 08:43 | 16:28 | 16 |
| 17 | 08:40 | 16:59 | 07:52 | 17:56 | 06:48 | 18:48 | 06:38 | 20:41 | 05:42 | 21:31 | 05:18 | 22:03 | 05:40 | 21:51 | 06:27 | 20:59 | 07:18 | 19:49 | 08:08 | 18:40 | 08:04 | 16:45 | 08:43 | 16:28 | 17 |
| 18 | 08:39 | 17:01 | 07:50 | 17:58 | 06:46 | 18:50 | 06:35 | 20:43 | 05:40 | 21:32 | 05:18 | 22:03 | 05:41 | 21:49 | 06:29 | 20:57 | 07:19 | 19:47 | 08:10 | 18:38 | 08:05 | 16:44 | 08:44 | 16:28 | 18 |
| 19 | 08:38 | 17:03 | 07:48 | 18:00 | 06:44 | 18:52 | 06:33 | 20:45 | 05:39 | 21:34 | 05:18 | 22:03 | 05:42 | 21:48 | 06:30 | 20:55 | 07:21 | 19:44 | 08:12 | 18:36 | 08:07 | 16:42 | 08:45 | 16:29 | 19 |
| 20 | 08:37 | 17:04 | 07:46 | 18:01 | 06:41 | 18:53 | 06:31 | 20:47 | 05:38 | 21:35 | 05:19 | 22:04 | 05:44 | 21:47 | 06:32 | 20:52 | 07:23 | 19:42 | 08:14 | 18:34 | 08:09 | 16:41 | 08:45 | 16:29 | 20 |
| 21 | 08:36 | 17:06 | 07:44 | 18:03 | 06:39 | 18:55 | 06:29 | 20:48 | 05:36 | 21:37 | 05:19 | 22:04 | 05:45 | 21:46 | 06:34 | 20:50 | 07:24 | 19:40 | 08:15 | 18:32 | 08:10 | 16:40 | 08:46 | 16:30 | 21 |
| 22 | 08:34 | 17:08 | 07:42 | 18:05 | 06:37 | 18:57 | 06:27 | 20:50 | 05:35 | 21:38 | 05:19 | 22:04 | 05:47 | 21:44 | 06:35 | 20:48 | 07:26 | 19:37 | 08:17 | 18:30 | 08:12 | 16:39 | 08:46 | 16:30 | 22 |
| 23 | 08:33 | 17:10 | 07:40 | 18:07 | 06:34 | 18:58 | 06:25 | 20:52 | 05:34 | 21:40 | 05:19 | 22:04 | 05:48 | 21:43 | 06:37 | 20:46 | 07:28 | 19:35 | 08:19 | 18:28 | 08:14 | 16:38 | 08:47 | 16:31 | 23 |
| 24 | 08:32 | 17:11 | 07:38 | 18:09 | 06:32 | 19:00 | 06:23 | 20:53 | 05:33 | 21:41 | 05:20 | 22:04 | 05:49 | 21:42 | 06:38 | 20:44 | 07:29 | 19:32 | 08:21 | 18:26 | 08:15 | 16:37 | 08:47 | 16:31 | 24 |
| 25 | 08:31 | 17:13 | 07:36 | 18:11 | 07:30 | 20:02 | 06:21 | 20:55 | 05:32 | 21:42 | 05:20 | 22:04 | 05:51 | 21:40 | 06:40 | 20:42 | 07:31 | 19:30 | 08:23 | 18:24 | 08:17 | 16:36 | 08:47 | 16:32 | 25 |
| 26 | 08:29 | 17:15 | 07:33 | 18:12 | 07:27 | 20:04 | 06:19 | 20:57 | 05:30 | 21:44 | 05:21 | 22:04 | 05:52 | 21:39 | 06:42 | 20:39 | 07:33 | 19:28 | 08:24 | 18:22 | 08:19 | 16:35 | 08:48 | 16:33 | 26 |
| 27 | 08:28 | 17:17 | 07:31 | 18:14 | 07:25 | 20:05 | 06:17 | 20:58 | 05:29 | 21:45 | 05:21 | 22:04 | 05:54 | 21:37 | 06:43 | 20:37 | 07:34 | 19:25 | 08:26 | 18:20 | 08:20 | 16:34 | 08:48 | 16:34 | 27 |
| 28 | 08:27 | 17:19 | 07:29 | 18:16 | 07:23 | 20:07 | 06:15 | 21:00 | 05:28 | 21:46 | 05:22 | 22:04 | 05:55 | 21:36 | 06:45 | 20:35 | 07:36 | 19:23 | 07:28 | 17:18 | 08:22 | 16:33 | 08:48 | 16:35 | 28 |
| 29 | 08:25 | 17:20 | 07:27 | 18:18 | 07:21 | 20:09 | 06:13 | 21:02 | 05:27 | 21:47 | 05:22 | 22:04 | 05:57 | 21:34 | 06:47 | 20:33 | 07:38 | 19:21 | 07:30 | 17:16 | 08:23 | 16:32 | 08:48 | 16:35 | 29 |
| 30 | 08:24 | 17:22 | | | 07:18 | 20:11 | 06:11 | 21:04 | 05:26 | 21:48 | 05:23 | 22:03 | 05:58 | 21:32 | 06:48 | 20:31 | 07:39 | 19:18 | 07:32 | 17:14 | 08:25 | 16:32 | 08:48 | 16:36 | 30 |
| 31 | 08:22 | 17:24 | | | 07:16 | 20:12 | | | 05:26 | 21:50 | | | 06:00 | 21:31 | 06:50 | 20:28 | | | 07:33 | 17:12 | | | 08:48 | 16:37 | 31 |

De tabel hierboven geeft de tijdstippen van opkomst en ondergang van de Zon voor iedere dag in 2012, voor Utrecht.
De **vetgedrukte** tijdstippen geven het begin en einde van de zomertijd aan (in 2012 loopt de zomertijd van 25 maart tot 28 oktober).

Bron: hemel.waarnemen.com/zon/daglicht/