

Karlstad: Nautisk skymning/gryning år 2017

| | Januari | Februari | Mars | April | Maj | Juni | Juli | Augusti | September | Oktober | November | December |
|----|-------------|-------------|-------------|-------------|-------------|------|-------------|----------------------|-------------|-------------|-------------|-------------|
| 1 | 07:13 17:07 | 06:40 18:00 | 05:35 19:03 | 04:58 21:24 | 02:57 23:13 | --- | --- | 02:00 00:25 | 04:21 21:48 | 05:43 20:07 | 05:53 17:45 | 06:50 17:00 |
| 2 | 07:13 17:08 | 06:38 18:02 | 05:32 19:05 | 04:54 21:27 | 02:52 23:18 | --- | --- | 02:08 00:16 | 04:24 21:44 | 05:45 20:04 | 05:55 17:43 | 06:51 16:59 |
| 3 | 07:12 17:09 | 06:36 18:04 | 05:29 19:08 | 04:51 21:30 | 02:47 23:23 | --- | --- | 02:16 00:08 | 04:28 21:40 | 05:47 20:01 | 05:57 17:41 | 06:53 16:58 |
| 4 | 07:12 17:10 | 06:35 18:06 | 05:26 19:10 | 04:47 21:33 | 02:42 23:29 | --- | --- | 02:23 00:01 23:55 | 04:31 21:36 | 05:50 19:58 | 05:59 17:39 | 06:54 16:58 |
| 5 | 07:12 17:11 | 06:33 18:08 | 05:23 19:13 | 04:44 21:36 | 02:36 23:34 | --- | --- | 02:30 23:48 | 04:34 21:33 | 05:52 19:55 | 06:01 17:37 | 06:56 16:57 |
| 6 | 07:11 17:13 | 06:31 18:10 | 05:20 19:15 | 04:40 21:39 | 02:30 23:40 | --- | --- | 02:36 23:43 | 04:37 21:29 | 05:55 19:52 | 06:03 17:35 | 06:57 16:57 |
| 7 | 07:11 17:14 | 06:28 18:12 | 05:18 19:17 | 04:36 21:42 | 02:24 23:47 | --- | --- | 02:42 23:37 | 04:40 21:26 | 05:57 19:49 | 06:06 17:33 | 06:58 16:56 |
| 8 | 07:10 17:16 | 06:26 18:15 | 05:15 19:20 | 04:33 21:45 | 02:18 23:53 | --- | --- | 02:47 23:31 | 04:42 21:22 | 05:59 19:46 | 06:08 17:31 | 06:59 16:56 |
| 9 | 07:10 17:17 | 06:24 18:17 | 05:12 19:22 | 04:29 21:48 | 02:11 ... | --- | --- | 02:53 23:26 | 04:45 21:19 | 06:02 19:43 | 06:10 17:29 | 07:01 16:56 |
| 10 | 07:09 17:18 | 06:22 18:19 | 05:09 19:25 | 04:25 21:51 | 02:03 00:01 | --- | --- | 02:58 23:21 | 04:48 21:15 | 06:04 19:40 | 06:12 17:27 | 07:02 16:56 |
| 11 | 07:08 17:20 | 06:20 18:21 | 05:06 19:27 | 04:22 21:55 | 01:55 00:09 | --- | --- | 03:03 23:16 | 04:51 21:12 | 06:06 19:38 | 06:14 17:25 | 07:03 16:55 |
| 12 | 07:07 17:22 | 06:18 18:24 | 05:03 19:30 | 04:18 21:58 | 01:45 00:19 | --- | --- | 03:07 23:11 | 04:54 21:08 | 06:08 19:35 | 06:16 17:23 | 07:04 16:55 |
| 13 | 07:07 17:23 | 06:15 18:26 | 05:00 19:32 | 04:14 22:01 | 01:32 00:31 | --- | --- | 03:12 23:06 | 04:57 21:05 | 06:11 19:32 | 06:18 17:22 | 07:05 16:55 |
| 14 | 07:06 17:25 | 06:13 18:28 | 04:57 19:35 | 04:10 22:05 | 01:07 00:55 | --- | --- | 03:16 23:01 | 04:59 21:02 | 06:13 19:29 | 06:20 17:20 | 07:06 16:55 |
| 15 | 07:05 17:27 | 06:11 18:30 | 04:54 19:37 | 04:06 22:08 | --- | --- | --- | 03:20 22:57 | 05:02 20:58 | 06:15 19:26 | 06:22 17:18 | 07:07 16:55 |
| 16 | 07:04 17:28 | 06:08 18:33 | 04:51 19:40 | 04:03 22:11 | --- | --- | --- | 03:24 22:52 | 05:05 20:55 | 06:17 19:24 | 06:24 17:17 | 07:07 16:56 |
| 17 | 07:03 17:30 | 06:06 18:35 | 04:47 19:43 | 03:59 22:15 | --- | --- | --- | 03:29 22:48 | 05:07 20:51 | 06:20 19:21 | 06:25 17:15 | 07:08 16:56 |
| 18 | 07:01 17:32 | 06:04 18:37 | 04:44 19:45 | 03:55 22:19 | --- | --- | --- | 03:33 22:43 | 05:10 20:48 | 06:22 19:19 | 06:27 17:14 | 07:09 16:56 |
| 19 | 07:00 17:34 | 06:01 18:39 | 04:41 19:48 | 03:51 22:22 | --- | --- | --- | 03:36 22:39 | 05:12 20:45 | 06:24 19:16 | 06:29 17:13 | 07:10 16:57 |
| 20 | 06:59 17:36 | 05:59 18:42 | 04:38 19:51 | 03:46 22:26 | --- | --- | --- | 03:40 22:35 | 05:15 20:41 | 06:26 19:13 | 06:31 17:11 | 07:10 16:57 |
| 21 | 06:58 17:37 | 05:56 18:44 | 04:35 19:53 | 03:42 22:30 | --- | --- | --- | 03:44 22:30 | 05:18 20:38 | 06:29 19:11 | 06:33 17:10 | 07:11 16:57 |
| 22 | 06:56 17:39 | 05:54 18:46 | 04:31 19:56 | 03:38 22:34 | --- | --- | --- | 03:48 22:26 | 05:20 20:35 | 06:31 19:08 | 06:35 17:09 | 07:11 16:58 |
| 23 | 06:55 17:41 | 05:51 18:49 | 04:28 19:59 | 03:34 22:37 | --- | --- | --- | 03:52 22:22 | 05:23 20:32 | 06:33 19:06 | 06:37 17:07 | 07:12 16:59 |
| 24 | 06:54 17:43 | 05:48 18:51 | 04:25 20:01 | 03:29 22:42 | --- | --- | --- | 03:55 22:18 | 05:25 20:28 | 06:35 19:04 | 06:38 17:06 | 07:12 16:59 |
| 25 | 06:52 17:45 | 05:46 18:54 | 04:21 20:04 | 03:25 22:46 | --- | --- | --- | 03:59 22:14 | 05:28 20:25 | 06:38 19:01 | 06:40 17:05 | 07:12 17:00 |
| 26 | 06:51 17:47 | 05:43 18:56 | 05:18 21:07 | 03:21 22:50 | --- | --- | --- | 04:02 22:10 | 05:30 20:22 | 06:40 18:59 | 06:42 17:04 | 07:13 17:01 |
| 27 | 06:49 17:49 | 05:40 18:58 | 05:15 21:09 | 03:16 22:54 | --- | --- | --- | 04:05 22:07 | 05:33 20:19 | 06:42 18:56 | 06:43 17:03 | 07:13 17:01 |
| 28 | 06:47 17:51 | 05:37 19:01 | 05:11 21:12 | 03:12 22:59 | --- | --- | --- | 04:09 22:03 | 05:35 20:16 | 06:44 18:54 | 06:45 17:02 | 07:13 17:02 |
| 29 | 06:46 17:53 | | 05:08 21:15 | 03:07 23:03 | --- | --- | --- | 04:12 21:59 | 05:38 20:13 | 05:46 17:52 | 06:47 17:01 | 07:13 17:03 |
| 30 | 06:44 17:55 | | 05:05 21:18 | 03:02 23:08 | --- | --- | 01:32 00:53 | 04:15 21:55 | 05:40 20:10 | 05:49 17:49 | 06:48 17:01 | 07:13 17:04 |
| 31 | 06:42 17:58 | | 05:01 21:21 | | --- | | 01:48 00:37 | 04:18 21:51 | | 05:51 17:47 | | 07:13 17:05 |

Framtagen av André Franke, meteorolog och amatörastronom, www.astroinfo.se

... : Fenomenet inträffar först nästa dag.

--- : Fenomenet utgår därför att solen aldrig når så långt under horisonten.

Två tider/uppgifter samma dag betyder att fenomenet inträffar två gånger samma dag. Detta kan hända vid enstaka fall i hela Sverige.