

# Vemdalen: Nautisk skymning/gryning år 2017

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

Framtagen av André Franke, meteorolog och amatörastronom, [www.astroinfo.se](http://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.