

# Ludvika: Nautisk skymning/gryning år 2024

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

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.