

# Vemdalen: Astronomisk skymning/gryning år 2019

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

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.