

MOONRISE AND MOONSET TIMES

LYTTELTON

July 2009 - December 2009

| | July | | August | | September | | October | | November | | December | | |
|------|------|-------|--------|-------|-----------|-------|---------|-------|----------|-------|----------|-------|-------|
| | Rise | Set | Rise | Set | Rise | Set | Rise | Set | Rise | Set | Rise | Set | |
| 2009 | 1 | 12:27 | 2:01 | 12:49 | 4:13 | 14:32 | 5:04 | 15:31 | 4:22 | 17:38 | 3:48 | 18:54 | 3:13 |
| | 2 | 12:55 | 3:09 | 13:40 | 5:07 | 15:35 | 5:33 | 16:35 | 4:43 | 18:50 | 4:13 | 20:06 | 3:55 |
| | 3 | 13:27 | 4:16 | 14:37 | 5:53 | 16:39 | 5:57 | 17:40 | 5:03 | 20:04 | 4:43 | 21:11 | 4:50 |
| | 4 | 14:06 | 5:20 | 15:38 | 6:31 | 17:43 | 6:18 | 18:47 | 5:24 | 21:17 | 5:20 | 22:05 | 5:56 |
| | 5 | 14:52 | 6:18 | 16:41 | 7:03 | 18:47 | 6:39 | 19:56 | 5:47 | 22:25 | 6:07 | 22:48 | 7:11 |
| | 6 | 15:45 | 7:10 | 17:45 | 7:29 | 19:52 | 6:58 | 21:08 | 6:13 | 23:23 | 7:04 | 23:23 | 8:30 |
| | 7 | 16:44 | 7:53 | 18:48 | 7:52 | 20:59 | 7:19 | 22:20 | 6:44 | --- | 8:12 | 23:52 | 9:48 |
| | 8 | 17:46 | 8:29 | 19:52 | 8:13 | 22:08 | 7:42 | 23:30 | 7:23 | 0:11 | 9:27 | --- | 11:05 |
| | 9 | 18:50 | 8:59 | 20:55 | 8:32 | 23:19 | 8:09 | --- | 8:12 | 0:50 | 10:44 | 0:17 | 12:18 |
| | 10 | 19:53 | 9:24 | 22:00 | 8:52 | --- | 8:42 | 0:34 | 9:12 | 1:21 | 12:00 | 0:40 | 13:30 |
| | 11 | 20:56 | 9:46 | 23:07 | 9:13 | 0:30 | 9:23 | 1:28 | 10:21 | 1:48 | 13:14 | 1:04 | 14:41 |
| | 12 | 21:59 | 10:06 | --- | 9:36 | 1:38 | 10:15 | 2:13 | 11:36 | 2:12 | 14:27 | 1:29 | 15:51 |
| | 13 | 23:03 | 10:26 | 0:17 | 10:05 | 2:40 | 11:18 | 2:49 | 12:53 | 2:36 | 15:39 | 1:56 | 17:01 |
| | 14 | --- | 10:46 | 1:29 | 10:40 | 3:32 | 12:31 | 3:19 | 14:10 | 2:59 | 16:50 | 2:29 | 18:08 |
| | 15 | 0:09 | 11:07 | 2:41 | 11:25 | 4:14 | 13:49 | 3:45 | 15:25 | 3:25 | 18:02 | 3:08 | 19:10 |
| | 16 | 1:17 | 11:33 | 3:49 | 12:22 | 4:49 | 15:09 | 4:09 | 16:40 | 3:55 | 19:12 | 3:54 | 20:05 |
| | 17 | 2:30 | 12:04 | 4:49 | 13:32 | 5:18 | 16:28 | 4:33 | 17:53 | 4:30 | 20:19 | 4:47 | 20:51 |
| | 18 | 3:44 | 12:44 | 5:39 | 14:51 | 5:44 | 17:45 | 4:58 | 19:07 | 5:12 | 21:19 | 5:45 | 21:30 |
| | 19 | 4:58 | 13:36 | 6:19 | 16:13 | 6:08 | 19:01 | 5:25 | 20:19 | 6:01 | 22:12 | 6:47 | 22:01 |
| | 20 | 6:06 | 14:41 | 6:52 | 17:35 | 6:32 | 20:16 | 5:57 | 21:29 | 6:56 | 22:55 | 7:50 | 22:28 |
| | 21 | 7:03 | 15:58 | 7:19 | 18:55 | 6:58 | 21:29 | 6:35 | 22:34 | 7:56 | 23:31 | 8:52 | 22:51 |
| | 22 | 7:49 | 17:21 | 7:44 | 20:12 | 7:27 | 22:41 | 7:19 | 23:31 | 8:59 | --- | 9:54 | 23:11 |
| | 23 | 8:25 | 18:44 | 8:07 | 21:27 | 8:00 | 23:48 | 8:11 | --- | 10:01 | 0:00 | 10:55 | 23:31 |
| | 24 | 8:54 | 20:05 | 8:32 | 22:40 | 8:40 | --- | 9:08 | 0:20 | 11:03 | 0:25 | 11:57 | 23:51 |
| | 25 | 9:20 | 21:22 | 8:58 | 23:51 | 9:27 | 0:49 | 10:09 | 1:00 | 12:05 | 0:47 | 13:01 | --- |
| | 26 | 9:43 | 22:36 | 9:28 | --- | 10:21 | 1:42 | 11:11 | 1:33 | 13:08 | 1:08 | 14:07 | 0:13 |
| | 27 | 10:06 | 23:48 | 10:04 | 1:00 | 11:19 | 2:27 | 12:14 | 2:00 | 14:12 | 1:28 | 15:16 | 0:37 |
| | 28 | 10:30 | --- | 10:45 | 2:03 | 12:21 | 3:03 | 13:17 | 2:24 | 15:18 | 1:49 | 16:28 | 1:06 |
| | 29 | 10:57 | 0:58 | 11:34 | 3:01 | 13:24 | 3:34 | 14:20 | 2:45 | 16:27 | 2:12 | 17:41 | 1:43 |
| | 30 | 11:28 | 2:07 | 12:29 | 3:50 | 14:27 | 3:59 | 15:24 | 3:06 | 17:40 | 2:39 | 18:50 | 2:31 |
| | 31 | 12:05 | 3:12 | 13:29 | 4:31 | --- | --- | 16:30 | 3:26 | --- | --- | 19:50 | 3:31 |

ASTRONOMICAL

January 2010 - June 2010

| | January | | February | | March | | April | | May | | June | | |
|------|---------|-------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Rise | Set | Rise | Set | Rise | Set | Rise | Set | Rise | Set | Rise | Set | |
| 2010 | 1 | 20:40 | 4:43 | 20:44 | 7:37 | 19:08 | 6:24 | 19:01 | 9:06 | 19:04 | 10:13 | 20:54 | 11:05 |
| | 2 | 21:20 | 6:03 | 21:10 | 8:56 | 19:34 | 7:44 | 19:39 | 10:20 | 20:01 | 11:10 | 21:56 | 11:33 |
| | 3 | 21:52 | 7:26 | 21:35 | 10:13 | 20:01 | 9:02 | 20:24 | 11:29 | 21:01 | 11:56 | 22:58 | 11:57 |
| | 4 | 22:19 | 8:46 | 22:02 | 11:27 | 20:31 | 10:18 | 21:16 | 12:29 | 22:04 | 12:35 | 23:59 | 12:19 |
| | 5 | 22:44 | 10:04 | 22:32 | 12:40 | 21:05 | 11:32 | 22:14 | 13:21 | 23:07 | 13:06 | --- | 12:40 |
| | 6 | 23:08 | 11:19 | 23:07 | 13:50 | 21:46 | 12:42 | 23:14 | 14:03 | --- | 13:32 | 1:00 | 13:00 |
| | 7 | 23:33 | 12:31 | 23:49 | 14:56 | 22:32 | 13:46 | --- | 14:37 | 0:09 | 13:55 | 2:02 | 13:22 |
| | 8 | --- | 13:43 | --- | 15:55 | 23:25 | 14:41 | 0:17 | 15:06 | 1:10 | 14:16 | 3:06 | 13:46 |
| | 9 | 0:00 | 14:53 | 0:37 | 16:47 | --- | 15:28 | 1:19 | 15:31 | 2:11 | 14:37 | 4:12 | 14:14 |
| | 10 | 0:31 | 16:00 | 1:31 | 17:30 | 0:23 | 16:06 | 2:21 | 15:53 | 3:13 | 14:58 | 5:20 | 14:48 |
| | 11 | 1:07 | 17:03 | 2:31 | 18:06 | 1:24 | 16:38 | 3:22 | 16:13 | 4:16 | 15:20 | 6:30 | 15:32 |
| | 12 | 1:50 | 18:00 | 3:32 | 18:35 | 2:27 | 17:04 | 4:24 | 16:34 | 5:22 | 15:46 | 7:36 | 16:25 |
| | 13 | 2:41 | 18:49 | 4:35 | 19:00 | 3:29 | 17:28 | 5:26 | 16:55 | 6:30 | 16:17 | 8:37 | 17:30 |
| | 14 | 3:37 | 19:30 | 5:37 | 19:23 | 4:30 | 17:49 | 6:31 | 17:19 | 7:39 | 16:55 | 9:28 | 18:43 |
| | 15 | 4:38 | 20:03 | 6:39 | 19:43 | 5:32 | 18:09 | 7:37 | 17:46 | 8:48 | 17:42 | 10:10 | 20:00 |
| | 16 | 5:40 | 20:31 | 7:40 | 20:03 | 6:34 | 18:29 | 8:45 | 18:18 | 9:51 | 18:39 | 10:45 | 21:18 |
| | 17 | 6:43 | 20:55 | 8:42 | 20:23 | 7:37 | 18:51 | 9:53 | 18:58 | 10:47 | 19:46 | 11:14 | 22:34 |
| | 18 | 7:45 | 21:17 | 9:45 | 20:45 | 8:41 | 19:15 | 10:59 | 19:48 | 11:33 | 20:59 | 11:40 | 23:49 |
| | 19 | 8:46 | 21:37 | 10:49 | 21:09 | 9:48 | 19:43 | 11:59 | 20:47 | 12:11 | 22:14 | 12:06 | --- |
| | 20 | 9:48 | 21:56 | 11:56 | 21:38 | 10:55 | 20:17 | 12:51 | 21:55 | 12:43 | 23:30 | 12:31 | 1:02 |
| | 21 | 10:50 | 22:17 | 13:04 | 22:15 | 12:02 | 20:58 | 13:34 | 23:08 | 13:11 | --- | 12:58 | 2:15 |
| | 22 | 11:53 | 22:39 | 14:11 | 23:00 | 13:06 | 21:50 | 14:10 | --- | 13:36 | 0:44 | 13:29 | 3:28 |
| | 23 | 12:59 | 23:05 | 15:15 | 23:57 | 14:04 | 22:52 | 14:40 | 0:23 | 14:01 | 1:58 | 14:05 | 4:39 |
| | 24 | 14:08 | 23:37 | 16:12 | --- | 14:54 | --- | 15:07 | 1:39 | 14:27 | 3:11 | 14:48 | 5:46 |
| | 25 | 15:18 | --- | 17:00 | 1:04 | 15:35 | 0:03 | 15:33 | 2:55 | 14:56 | 4:25 | 15:39 | 6:48 |
| | 26 | 16:27 | 0:18 | 17:40 | 2:21 | 16:09 | 1:19 | 15:58 | 4:10 | 15:29 | 5:39 | 16:36 | 7:42 |
| | 27 | 17:31 | 1:10 | 18:13 | 3:42 | 16:39 | 2:38 | 16:26 | 5:26 | 16:08 | 6:50 | 17:37 | 8:27 |
| | 28 | 18:25 | 2:14 | 18:42 | 5:04 | 17:06 | 3:56 | 16:56 | 6:42 | 16:54 | 7:58 | 18:41 | 9:04 |
| | 29 | 19:10 | 3:30 | --- | --- | 17:32 | 5:15 | 17:32 | 7:57 | 17:48 | 8:58 | 19:44 | 9:34 |
| | 30 | 19:47 | 4:52 | --- | --- | 17:59 | 6:32 | 18:15 | 9:08 | 18:47 | 9:49 | 20:46 | 10:00 |
| | 31 | 20:17 | 6:15 | --- | --- | 18:28 | 7:50 | --- | --- | 19:50 | 10:30 | --- | --- |

Times listed are in New Zealand Standard Time (NZST)

Add 1 hour when New Zealand Daylight Time (NZDT) is in force