

# OBSERVATÓRIO ASTRONÓMICO DE LISBOA

Tapada da Ajuda, 1349-018 LISBOA

## NASCIMENTO E OCASO DA LUA (PORTO)

(Hora Legal)

**2014**

| DIA | JANEIRO |       | FEVEREIRO |       | MARÇO |       | ABRIL |       | MAIO  |       | JUNHO |       |
|-----|---------|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     | Nasc.   | Ocaso | Nasc.     | Ocaso | Nasc. | Ocaso | Nasc. | Ocaso | Nasc. | Ocaso | Nasc. | Ocaso |
|     | h m     | h m   | h m       | h m   | h m   | h m   | h m   | h m   | h m   | h m   | h m   | h m   |
| 1   | 07:37   | 17:46 | 08:25     | 20:13 | 06:54 | 18:58 | 08:12 | 22:09 | 08:09 | 22:53 | 09:24 | 23:47 |
| 2   | 08:29   | 18:59 | 09:01     | 21:24 | 07:30 | 20:09 | 08:51 | 23:12 | 08:56 | 23:44 | 10:20 | *     |
| 3   | 09:15   | 20:13 | 09:36     | 22:33 | 08:05 | 21:18 | 09:32 | *     | 09:47 | *     | 11:16 | 00:21 |
| 4   | 09:55   | 21:26 | 10:10     | 23:39 | 08:41 | 22:25 | 10:18 | 00:11 | 10:40 | 00:30 | 12:12 | 00:53 |
| 5   | 10:31   | 22:36 | 10:45     | *     | 09:18 | 23:28 | 11:06 | 01:04 | 11:35 | 01:11 | 13:09 | 01:23 |
| 6   | 11:04   | 23:44 | 11:21     | 00:42 | 09:57 | *     | 11:57 | 01:53 | 12:30 | 01:48 | 14:07 | 01:51 |
| 7   | 11:37   | *     | 12:01     | 01:42 | 10:40 | 00:28 | 12:50 | 02:36 | 13:26 | 02:21 | 15:06 | 02:20 |
| 8   | 12:10   | 00:49 | 12:43     | 02:39 | 11:25 | 01:23 | 13:45 | 03:15 | 14:23 | 02:52 | 16:07 | 02:50 |
| 9   | 12:44   | 01:52 | 13:30     | 03:31 | 12:14 | 02:14 | 14:41 | 03:50 | 15:21 | 03:22 | 17:10 | 03:23 |
| 10  | 13:21   | 02:52 | 14:19     | 04:19 | 13:05 | 02:59 | 15:38 | 04:22 | 16:21 | 03:51 | 18:15 | 04:00 |
| 11  | 14:01   | 03:50 | 15:12     | 05:03 | 13:59 | 03:40 | 16:36 | 04:52 | 17:22 | 04:21 | 19:21 | 04:42 |
| 12  | 14:45   | 04:45 | 16:06     | 05:42 | 14:55 | 04:17 | 17:35 | 05:22 | 18:25 | 04:52 | 20:25 | 05:31 |
| 13  | 15:32   | 05:36 | 17:02     | 06:18 | 15:51 | 04:51 | 18:35 | 05:51 | 19:30 | 05:27 | 21:25 | 06:27 |
| 14  | 16:23   | 06:22 | 17:59     | 06:51 | 16:49 | 05:22 | 19:37 | 06:22 | 20:35 | 06:07 | 22:19 | 07:31 |
| 15  | 17:17   | 07:04 | 18:57     | 07:21 | 17:47 | 05:52 | 20:41 | 06:55 | 21:40 | 06:52 | 23:08 | 08:40 |
| 16  | 18:12   | 07:42 | 19:55     | 07:50 | 18:47 | 06:22 | 21:45 | 07:32 | 22:41 | 07:44 | 23:50 | 09:51 |
| 17  | 19:09   | 08:17 | 20:55     | 08:19 | 19:47 | 06:51 | 22:49 | 08:13 | 23:37 | 08:43 | *     | 11:02 |
| 18  | 20:06   | 08:48 | 21:55     | 08:49 | 20:49 | 07:22 | 23:51 | 09:00 | *     | 09:48 | 00:28 | 12:12 |
| 19  | 21:03   | 09:18 | 22:56     | 09:20 | 21:52 | 07:56 | *     | 09:53 | 00:27 | 10:55 | 01:03 | 13:21 |
| 20  | 22:01   | 09:46 | 23:59     | 09:54 | 22:55 | 08:33 | 00:49 | 10:53 | 01:11 | 12:04 | 01:37 | 14:28 |
| 21  | 23:01   | 10:15 | *         | 10:32 | 23:57 | 09:15 | 01:41 | 11:57 | 01:50 | 13:13 | 02:10 | 15:33 |
| 22  | *       | 10:44 | 01:01     | 11:16 | *     | 10:03 | 02:28 | 13:04 | 02:26 | 14:22 | 02:45 | 16:36 |
| 23  | 00:01   | 11:16 | 02:04     | 12:06 | 00:57 | 10:58 | 03:10 | 14:13 | 03:00 | 15:29 | 03:22 | 17:38 |
| 24  | 01:04   | 11:52 | 03:03     | 13:04 | 01:52 | 11:59 | 03:48 | 15:22 | 03:33 | 16:35 | 04:01 | 18:36 |
| 25  | 02:08   | 12:33 | 03:59     | 14:09 | 02:43 | 13:04 | 04:23 | 16:30 | 04:07 | 17:40 | 04:45 | 19:31 |
| 26  | 03:13   | 13:20 | 04:50     | 15:19 | 03:29 | 14:13 | 04:57 | 17:38 | 04:43 | 18:44 | 05:32 | 20:21 |
| 27  | 04:17   | 14:16 | 05:35     | 16:31 | 04:10 | 15:24 | 05:32 | 18:46 | 05:21 | 19:45 | 06:23 | 21:06 |
| 28  | 05:17   | 15:20 | 06:16     | 17:45 | 04:49 | 16:35 | 06:07 | 19:52 | 06:03 | 20:43 | 07:16 | 21:46 |
| 29  | 06:13   | 16:30 | -         | -     | 05:24 | 17:46 | 06:44 | 20:56 | 06:49 | 21:37 | 08:11 | 22:22 |
| 30  | 07:02   | 17:44 | -         | -     | 07:00 | 19:55 | 07:25 | 21:56 | 07:38 | 22:25 | 09:07 | 22:55 |
| 31  | 07:46   | 18:59 | -         | -     | 07:35 | 21:03 | -     | -     | 08:30 | 23:08 | -     | -     |

\* Nestes dias não se verifica o nascimento ou o ocaso da Lua.

# OBSERVATÓRIO ASTRONÓMICO DE LISBOA

Tapada da Ajuda, 1349-018 LISBOA

## NASCIMENTO E OCASO DA LUA (PORTO)

(Hora Legal)

**2014**

| JULHO |       | AGOSTO |       | SETEMBRO |       | OUTUBRO |       | NOVEMBRO |       | DEZEMBRO |       | DIA |
|-------|-------|--------|-------|----------|-------|---------|-------|----------|-------|----------|-------|-----|
| Nasc. | Ocaso | Nasc.  | Ocaso | Nasc.    | Ocaso | Nasc.   | Ocaso | Nasc.    | Ocaso | Nasc.    | Ocaso |     |
| h m   | h m   | h m    | h m   | h m      | h m   | h m     | h m   | h m      | h m   | h m      | h m   |     |
| 10:03 | 23:25 | 11:44  | 23:24 | 13:37    | 23:54 | 14:22   | *     | 14:18    | 00:42 | 14:06    | 01:59 | 1   |
| 11:00 | 23:54 | 12:43  | 23:56 | 14:36    | *     | 15:13   | 00:32 | 14:55    | 01:51 | 14:42    | 03:07 | 2   |
| 11:57 | *     | 13:43  | *     | 15:35    | 00:43 | 15:59   | 01:36 | 15:30    | 03:01 | 15:19    | 04:13 | 3   |
| 12:54 | 00:22 | 14:45  | 00:31 | 16:29    | 01:39 | 16:41   | 02:44 | 16:06    | 04:10 | 15:59    | 05:19 | 4   |
| 13:53 | 00:51 | 15:47  | 01:12 | 17:20    | 02:42 | 17:20   | 03:55 | 16:43    | 05:20 | 16:43    | 06:23 | 5   |
| 14:54 | 01:22 | 16:49  | 01:58 | 18:06    | 03:51 | 17:57   | 05:07 | 17:23    | 06:28 | 17:31    | 07:22 | 6   |
| 15:57 | 01:56 | 17:48  | 02:52 | 18:48    | 05:03 | 18:34   | 06:19 | 18:06    | 07:34 | 18:23    | 08:17 | 7   |
| 17:01 | 02:34 | 18:42  | 03:54 | 19:27    | 06:17 | 19:11   | 07:31 | 18:52    | 08:37 | 19:17    | 09:07 | 8   |
| 18:05 | 03:18 | 19:32  | 05:03 | 20:05    | 07:31 | 19:50   | 08:41 | 19:42    | 09:35 | 20:13    | 09:51 | 9   |
| 19:07 | 04:10 | 20:17  | 06:16 | 20:42    | 08:44 | 20:32   | 09:49 | 20:35    | 10:28 | 21:10    | 10:29 | 10  |
| 20:05 | 05:10 | 20:57  | 07:30 | 21:19    | 09:55 | 21:16   | 10:54 | 21:30    | 11:14 | 22:06    | 11:04 | 11  |
| 20:57 | 06:17 | 21:35  | 08:45 | 21:58    | 11:04 | 22:04   | 11:54 | 22:25    | 11:55 | 23:02    | 11:36 | 12  |
| 21:44 | 07:29 | 22:11  | 09:58 | 22:40    | 12:09 | 22:54   | 12:48 | 23:22    | 12:32 | 23:59    | 12:05 | 13  |
| 22:25 | 08:42 | 22:47  | 11:08 | 23:25    | 13:10 | 23:47   | 13:37 | *        | 13:04 | *        | 12:34 | 14  |
| 23:03 | 09:56 | 23:24  | 12:16 | *        | 14:06 | *       | 14:20 | 00:18    | 13:35 | 00:55    | 13:02 | 15  |
| 23:38 | 11:07 | *      | 13:21 | 00:12    | 14:57 | 00:41   | 14:58 | 01:14    | 14:04 | 01:53    | 13:32 | 16  |
| *     | 12:17 | 00:03  | 14:23 | 01:03    | 15:43 | 01:37   | 15:33 | 02:11    | 14:33 | 02:52    | 14:05 | 17  |
| 00:13 | 13:24 | 00:44  | 15:21 | 01:56    | 16:23 | 02:32   | 16:04 | 03:08    | 15:02 | 03:52    | 14:40 | 18  |
| 00:47 | 14:29 | 01:29  | 16:14 | 02:50    | 17:00 | 03:29   | 16:34 | 04:07    | 15:34 | 04:54    | 15:21 | 19  |
| 01:24 | 15:31 | 02:17  | 17:02 | 03:45    | 17:33 | 04:25   | 17:03 | 05:08    | 16:08 | 05:57    | 16:09 | 20  |
| 02:03 | 16:31 | 03:08  | 17:45 | 04:41    | 18:04 | 05:23   | 17:33 | 06:10    | 16:47 | 06:58    | 17:03 | 21  |
| 02:45 | 17:26 | 04:01  | 18:24 | 05:37    | 18:33 | 06:21   | 18:03 | 07:12    | 17:31 | 07:56    | 18:04 | 22  |
| 03:30 | 18:18 | 04:56  | 18:59 | 06:34    | 19:02 | 07:21   | 18:36 | 08:14    | 18:21 | 08:50    | 19:11 | 23  |
| 04:19 | 19:04 | 05:51  | 19:31 | 07:32    | 19:32 | 08:22   | 19:11 | 09:13    | 19:18 | 09:38    | 20:21 | 24  |
| 05:11 | 19:46 | 06:48  | 20:01 | 08:31    | 20:02 | 09:23   | 19:52 | 10:07    | 20:20 | 10:21    | 21:31 | 25  |
| 06:05 | 20:23 | 07:44  | 20:30 | 09:30    | 20:35 | 09:24   | 19:37 | 10:57    | 21:26 | 10:59    | 22:42 | 26  |
| 07:01 | 20:57 | 08:41  | 20:59 | 10:30    | 21:12 | 10:23   | 20:29 | 11:41    | 22:34 | 11:35    | 23:51 | 27  |
| 07:57 | 21:28 | 09:38  | 21:28 | 11:31    | 21:53 | 11:19   | 21:26 | 12:20    | 23:42 | 12:10    | *     | 28  |
| 08:53 | 21:58 | 10:37  | 21:59 | 12:30    | 22:40 | 12:11   | 22:28 | 12:57    | *     | 12:45    | 00:59 | 29  |
| 09:50 | 22:26 | 11:36  | 22:33 | 13:28    | 23:33 | 12:57   | 23:34 | 13:32    | 00:51 | 13:20    | 02:05 | 30  |
| 10:47 | 22:55 | 12:36  | 23:11 | -        | -     | 13:39   | *     | -        | -     | 13:59    | 03:10 | 31  |

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