

**OBSERVATÓRIO ASTRONÓMICO DE LISBOA**

Tapada da Ajuda, 1349-018 LISBOA

**NASCIMENTO E OCASO DA LUA (PORTO)**

(Hora Legal)

**2017**

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

\* 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)

**2017**

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

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