

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

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

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