

**OBSERVATÓRIO ASTRONÓMICO DE LISBOA**

Tapada da Ajuda, 1349-018 LISBOA

**NASCIMENTO E OCASO DA LUA (PONTA DELGADA)**

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

\* 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 (PONTA DELGADA)

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

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