

**OBSERVATÓRIO ASTRONÓMICO DE LISBOA**

Tapada da Ajuda, 1349-018 LISBOA

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

(Hora Legal)

**2020**

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

\* 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)

**2020**

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

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