

**OBSERVATÓRIO ASTRONÓMICO DE LISBOA**

Tapada da Ajuda, 1349-018 LISBOA

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

(Tempo Universal)

**2021**

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

\* 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)

(Tempo Universal)

**2021**

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

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