

# OBSERVATÓRIO ASTRONÓMICO DE LISBOA

Tapada da Ajuda, 1349-018 LISBOA

## NASCIMENTO E OCASO DO SOL (PORTO)

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

**OBSERVATÓRIO ASTRONÓMICO DE LISBOA**

Tapada da Ajuda, 1349-018 LISBOA

**NASCIMENTO E OCASO DO SOL (PORTO)**

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