

OBSERVATÓRIO ASTRONÓMICO DE LISBOA

Tapada da Ajuda, 1349-018 LISBOA

NASCIMENTO E OCASO DO SOL (PORTO)

(Hora Legal)

2018

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

OBSERVATÓRIO ASTRONÓMICO DE LISBOA

Tapada da Ajuda, 1349-018 LISBOA

NASCIMENTO E OCASO DO SOL (PORTO)

(Hora Legal)

2018

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