

**OBSERVATÓRIO ASTRONÓMICO DE LISBOA**

Tapada da Ajuda, 1349-018 LISBOA

**NASCIMENTO E OCASO DO SOL (PONTA DELGADA)**

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

**OBSERVATÓRIO ASTRONÓMICO DE LISBOA**

Tapada da Ajuda, 1349-018 LISBOA

**NASCIMENTO E OCASO DO SOL (PONTA DELGADA)**

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