

**OBSERVATÓRIO ASTRONÓMICO DE LISBOA**

Tapada da Ajuda, 1349-018 LISBOA

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

(Hora Legal)

**2019**

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

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Tapada da Ajuda, 1349-018 LISBOA

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

(Hora Legal)

**2019**

JULHO		AGOSTO		SETEMBRO		OUTUBRO		NOVEMBRO		DEZEMBRO		DIA
Nasc.	Ocaso	Nasc.	Ocaso	Nasc.	Ocaso	Nasc.	Ocaso	Nasc.	Ocaso	Nasc.	Ocaso	
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06:06	21:11	06:31	20:51	07:02	20:06	07:32	19:16	07:07	17:29	07:41	17:06	2
06:06	21:11	06:32	20:50	07:03	20:05	07:33	19:14	07:08	17:28	07:42	17:06	3
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06:08	21:10	06:35	20:46	07:06	20:00	07:36	19:09	07:11	17:25	07:45	17:06	6
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06:29	20:53	07:00	20:10	-	-	07:04	17:32	-	-	08:00	17:15	31