

## OBSERVATÓRIO ASTRONÓMICO DE LISBOA

Tapada da Ajuda, 1349-018 LISBOA

### TEMPO UNIVERSAL AO MEIO-DIA SOLAR VERDADEIRO

(Correcção para o Porto, - 2<sup>m</sup> 17<sup>s</sup>; para Coimbra, - 3m 02s; para Faro, -5m 01s)

Para qualquer outra localidade, cuja longitude, em tempo, for  $\lambda$ ,

a correcção a aplicar a esta tabela será: - ( $\lambda$ + 36m 45s)

2019

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

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**Para qualquer outra localidade, cuja longitude, em tempo, for  $\lambda$ ,  
a correcção a aplicar a esta tabela será: - ( $\lambda$ + 36m 45s)**

**2019**

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