

# OBSERVATÓRIO ASTRONÓMICO DE LISBOA

Tapada da Ajuda, 1349-018 LISBOA

## TEMPO UNIVERSAL AO MEIO-DIA SOLAR VERDADEIRO (LISBOA)

(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)

2013

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

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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)**

**2013**

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