

OBSERVATÓRIO ASTRONÓMICO DE LISBOA

Tapada da Ajuda, 1349-018 LISBOA

TEMPO UNIVERSAL AO MEIO-DIA SOLAR VERDADEIRO

COIMBRA

2013

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

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2013

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