

OBSERVATÓRIO ASTRONÓMICO DE LISBOA

Tapada da Ajuda, 1349-018 LISBOA

TEMPO UNIVERSAL AO MEIO-DIA SOLAR VERDADEIRO

LEIRIA

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

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LEIRIA

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