

OBSERVATÓRIO ASTRONÓMICO DE LISBOA

Tapada da Ajuda, 1349-018 LISBOA

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

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PORTALEGRE

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