

OBSERVATÓRIO ASTRONÓMICO DE LISBOA

Tapada da Ajuda, 1349-018 LISBOA

TEMPO UNIVERSAL AO MEIO-DIA SOLAR VERDADEIRO

HORTA

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

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HORTA

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