

OBSERVATÓRIO ASTRONÓMICO DE LISBOA

Tapada da Ajuda, 1349-018 LISBOA

TEMPO UNIVERSAL AO MEIO-DIA SOLAR VERDADEIRO

PONTA DELGADA

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

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PONTA DELGADA

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