

# december 2012

Home Location Latitude: 52° 08' 17" North, Longitude: 005° 00' 46" East

	LST at Midnight	Rise	Moon			illum	Ast.	Twilight			Rise	Sun		Set	Civil	Twilight			Ast.
			Transit	Set			Naut.	Civil		Transit	Set	Civil	Naut.	Ast.					
01-12-2012	04:40:58	19:12	02:23	10:26	95%	06:23	07:04	07:47	08:27	12:29	16:31	17:11	17:54	18:35					
02-12-2012	04:44:54	20:15	03:10	10:59	90%	06:24	07:05	07:48	08:28	12:30	16:31	17:11	17:54	18:35					
03-12-2012	04:48:51	21:21	03:57	11:28	84%	06:25	07:06	07:49	08:29	12:30	16:30	17:10	17:53	18:34					
04-12-2012	04:52:47	22:29	04:43	11:52	76%	06:26	07:07	07:51	08:31	12:30	16:30	17:10	17:53	18:34					
05-12-2012	04:56:44	23:39	05:29	12:15	67%	06:27	07:08	07:52	08:32	12:31	16:29	17:09	17:53	18:34					
06-12-2012	05:00:40	*****	06:14	12:36	57%	06:28	07:10	07:53	08:33	12:31	16:29	17:09	17:53	18:34					
07-12-2012	05:04:37	00:52	07:01	12:58	46%	06:29	07:11	07:54	08:35	12:32	16:28	17:09	17:52	18:33					
08-12-2012	05:08:34	02:06	07:50	13:21	36%	06:30	07:12	07:55	08:36	12:32	16:28	17:09	17:52	18:33					
09-12-2012	05:12:30	03:24	08:41	13:47	25%	06:31	07:13	07:56	08:37	12:33	16:28	17:09	17:52	18:33					
10-12-2012	05:16:27	04:45	09:37	14:19	16%	06:32	07:14	07:57	08:38	12:33	16:28	17:09	17:52	18:33					
11-12-2012	05:20:23	06:06	10:36	15:00	8%	06:33	07:14	07:58	08:39	12:33	16:28	17:08	17:52	18:33					
12-12-2012	05:24:20	07:23	11:38	15:51	3%	06:34	07:15	07:59	08:40	12:34	16:28	17:09	17:52	18:34					
13-12-2012	05:28:16	08:31	12:42	16:55	0%	06:35	07:16	08:00	08:41	12:34	16:28	17:09	17:52	18:34					
14-12-2012	05:32:13	09:27	13:46	18:09	1%	06:36	07:17	08:01	08:42	12:35	16:28	17:09	17:53	18:34					
15-12-2012	05:36:09	10:11	14:46	19:29	4%	06:36	07:18	08:02	08:43	12:35	16:28	17:09	17:53	18:34					
16-12-2012	05:40:06	10:46	15:42	20:49	10%	06:37	07:19	08:02	08:43	12:36	16:28	17:09	17:53	18:34					
17-12-2012	05:44:03	11:13	16:34	22:07	18%	06:38	07:19	08:03	08:44	12:36	16:28	17:09	17:53	18:35					
18-12-2012	05:47:59	11:37	17:23	23:21	28%	06:38	07:20	08:04	08:45	12:37	16:29	17:10	17:54	18:35					
19-12-2012	05:51:56	11:59	18:09	*****	38%	06:39	07:21	08:04	08:46	12:37	16:29	17:10	17:54	18:35					
20-12-2012	05:55:52	12:19	18:54	00:33	48%	06:40	07:21	08:05	08:46	12:38	16:29	17:11	17:54	18:36					
21-12-2012	05:59:49	12:41	19:39	01:42	58%	06:40	07:22	08:06	08:47	12:38	16:30	17:11	17:55	18:36					
22-12-2012	06:03:45	13:03	20:23	02:50	67%	06:41	07:22	08:06	08:47	12:39	16:30	17:12	17:55	18:37					
23-12-2012	06:07:42	13:29	21:09	03:55	76%	06:41	07:23	08:06	08:48	12:39	16:31	17:12	17:56	18:37					
24-12-2012	06:11:38	13:59	21:55	04:59	84%	06:42	07:23	08:07	08:48	12:40	16:32	17:13	17:57	18:38					
25-12-2012	06:15:35	14:35	22:43	05:59	90%	06:42	07:23	08:07	08:48	12:40	16:32	17:13	17:57	18:39					
26-12-2012	06:19:32	15:18	23:31	06:54	95%	06:42	07:24	08:07	08:49	12:41	16:33	17:14	17:58	18:39					
27-12-2012	06:23:28	16:08	*****	07:44	98%	06:42	07:24	08:08	08:49	12:41	16:34	17:15	17:59	18:40					
28-12-2012	06:27:25	17:05	00:19	08:26	100%	06:43	07:24	08:08	08:49	12:42	16:35	17:16	18:00	18:41					
29-12-2012	06:31:21	18:07	01:08	09:02	100%	06:43	07:24	08:08	08:49	12:42	16:36	17:17	18:00	18:42					
30-12-2012	06:35:18	19:12	01:55	09:32	98%	06:43	07:24	08:08	08:49	12:43	16:37	17:18	18:01	18:43					
31-12-2012	06:39:14	20:20	02:42	09:58	94%	06:43	07:24	08:08	08:49	12:43	16:38	17:18	18:02	18:43					