

december 2024

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

	LST at Midnight	Rise	Moon			illum	Ast.	Twilight			Rise	Sun		Civil	Twilight		
			Transit	Set			Naut.	Civil		Transit	Set		Naut.	Ast.			
01-12-2024	04:41:20	09:11	12:37	15:58	0%	06:23	07:04	07:47	08:27	12:29	16:31	17:11	17:54	18:35			
02-12-2024	04:45:16	10:20	13:32	16:42	1%	06:24	07:05	07:48	08:28	12:30	16:31	17:11	17:54	18:35			
03-12-2024	04:49:13	11:17	14:28	17:42	3%	06:25	07:06	07:50	08:30	12:30	16:30	17:10	17:53	18:34			
04-12-2024	04:53:10	11:59	15:24	18:56	8%	06:27	07:07	07:51	08:31	12:30	16:30	17:10	17:53	18:34			
05-12-2024	04:57:06	12:28	16:19	20:20	14%	06:28	07:09	07:52	08:32	12:31	16:29	17:09	17:53	18:34			
06-12-2024	05:01:03	12:48	17:11	21:45	23%	06:29	07:10	07:53	08:33	12:31	16:29	17:09	17:53	18:34			
07-12-2024	05:04:59	13:04	18:00	23:11	32%	06:30	07:11	07:54	08:35	12:32	16:28	17:09	17:52	18:33			
08-12-2024	05:08:56	13:16	18:48	*****	43%	06:31	07:12	07:55	08:36	12:32	16:28	17:09	17:52	18:33			
09-12-2024	05:12:52	13:27	19:35	00:36	54%	06:32	07:13	07:56	08:37	12:33	16:28	17:09	17:52	18:33			
10-12-2024	05:16:49	13:39	20:23	02:01	65%	06:32	07:14	07:57	08:38	12:33	16:28	17:09	17:52	18:33			
11-12-2024	05:20:45	13:52	21:14	03:29	76%	06:33	07:15	07:58	08:39	12:33	16:28	17:09	17:52	18:33			
12-12-2024	05:24:42	14:09	22:09	05:00	85%	06:34	07:15	07:59	08:40	12:34	16:28	17:09	17:52	18:34			
13-12-2024	05:28:39	14:31	23:07	06:33	92%	06:35	07:16	08:00	08:41	12:34	16:28	17:09	17:52	18:34			
14-12-2024	05:32:35	15:05	*****	08:04	97%	06:36	07:17	08:01	08:42	12:35	16:28	17:09	17:53	18:34			
15-12-2024	05:36:32	15:54	00:09	09:26	100%	06:37	07:18	08:02	08:43	12:35	16:28	17:09	17:53	18:34			
16-12-2024	05:40:28	17:02	01:12	10:28	99%	06:37	07:19	08:02	08:44	12:36	16:28	17:09	17:53	18:34			
17-12-2024	05:44:25	18:21	02:13	11:10	96%	06:38	07:19	08:03	08:44	12:36	16:28	17:09	17:53	18:35			
18-12-2024	05:48:21	19:45	03:10	11:38	92%	06:39	07:20	08:04	08:45	12:37	16:29	17:10	17:54	18:35			
19-12-2024	05:52:18	21:05	04:01	11:57	85%	06:39	07:21	08:04	08:46	12:37	16:29	17:10	17:54	18:35			
20-12-2024	05:56:14	22:22	04:48	12:11	77%	06:40	07:21	08:05	08:46	12:38	16:29	17:11	17:55	18:36			
21-12-2024	06:00:11	23:35	05:31	12:21	68%	06:40	07:22	08:06	08:47	12:38	16:30	17:11	17:55	18:36			
22-12-2024	06:04:08	*****	06:11	12:31	59%	06:41	07:22	08:06	08:47	12:39	16:30	17:12	17:56	18:37			
23-12-2024	06:08:04	00:46	06:50	12:39	49%	06:41	07:23	08:06	08:48	12:39	16:31	17:12	17:56	18:38			
24-12-2024	06:12:01	01:56	07:29	12:49	40%	06:42	07:23	08:07	08:48	12:40	16:32	17:13	17:57	18:38			
25-12-2024	06:15:57	03:07	08:09	12:59	31%	06:42	07:23	08:07	08:48	12:40	16:32	17:14	17:57	18:39			
26-12-2024	06:19:54	04:21	08:52	13:13	23%	06:42	07:24	08:07	08:49	12:41	16:33	17:14	17:58	18:39			
27-12-2024	06:23:50	05:37	09:38	13:31	15%	06:43	07:24	08:08	08:49	12:41	16:34	17:15	17:59	18:40			
28-12-2024	06:27:47	06:54	10:28	13:57	9%	06:43	07:24	08:08	08:49	12:42	16:35	17:16	18:00	18:41			
29-12-2024	06:31:43	08:07	11:22	14:35	4%	06:43	07:24	08:08	08:49	12:42	16:36	17:17	18:00	18:42			
30-12-2024	06:35:40	09:09	12:19	15:30	1%	06:43	07:24	08:08	08:49	12:43	16:37	17:18	18:01	18:43			
31-12-2024	06:39:37	09:57	13:16	16:41	0%	06:43	07:24	08:08	08:49	12:43	16:38	17:19	18:02	18:43			