

# november 2024

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

|            | LST at Midnight | Rise  | Moon    |       |      | illum | Ast.  | Twilight Naut. | Civil | Rise  | Sun Transit | Set   | Civil | Twilight Naut. | Ast. |
|------------|-----------------|-------|---------|-------|------|-------|-------|----------------|-------|-------|-------------|-------|-------|----------------|------|
|            |                 |       | Transit | Set   |      |       |       |                |       |       |             |       |       |                |      |
| 01-11-2024 | 02:43:03        | 07:37 | 12:17   | 16:46 | 0%   | 05:41 | 06:20 | 07:00          | 07:36 | 12:24 | 17:10       | 17:46 | 18:26 | 19:06          |      |
| 02-11-2024 | 02:47:00        | 08:53 | 13:02   | 17:02 | 0%   | 05:42 | 06:22 | 07:02          | 07:38 | 12:24 | 17:09       | 17:45 | 18:25 | 19:04          |      |
| 03-11-2024 | 02:50:56        | 10:09 | 13:51   | 17:25 | 2%   | 05:44 | 06:23 | 07:04          | 07:40 | 12:24 | 17:07       | 17:43 | 18:23 | 19:02          |      |
| 04-11-2024 | 02:54:53        | 11:23 | 14:42   | 17:57 | 6%   | 05:46 | 06:25 | 07:05          | 07:41 | 12:24 | 17:05       | 17:41 | 18:22 | 19:01          |      |
| 05-11-2024 | 02:58:49        | 12:29 | 15:37   | 18:45 | 11%  | 05:47 | 06:27 | 07:07          | 07:43 | 12:24 | 17:03       | 17:40 | 18:20 | 18:59          |      |
| 06-11-2024 | 03:02:46        | 13:20 | 16:33   | 19:49 | 18%  | 05:49 | 06:28 | 07:09          | 07:45 | 12:24 | 17:02       | 17:38 | 18:19 | 18:58          |      |
| 07-11-2024 | 03:06:43        | 13:58 | 17:28   | 21:07 | 27%  | 05:50 | 06:30 | 07:10          | 07:47 | 12:24 | 17:00       | 17:36 | 18:17 | 18:57          |      |
| 08-11-2024 | 03:10:39        | 14:24 | 18:22   | 22:31 | 37%  | 05:52 | 06:31 | 07:12          | 07:49 | 12:24 | 16:58       | 17:35 | 18:16 | 18:55          |      |
| 09-11-2024 | 03:14:36        | 14:42 | 19:14   | 23:59 | 47%  | 05:53 | 06:33 | 07:14          | 07:50 | 12:24 | 16:57       | 17:33 | 18:14 | 18:54          |      |
| 10-11-2024 | 03:18:32        | 14:57 | 20:04   | ***** | 58%  | 05:55 | 06:34 | 07:15          | 07:52 | 12:24 | 16:55       | 17:32 | 18:13 | 18:53          |      |
| 11-11-2024 | 03:22:29        | 15:09 | 20:53   | 01:26 | 69%  | 05:56 | 06:36 | 07:17          | 07:54 | 12:24 | 16:54       | 17:31 | 18:12 | 18:51          |      |
| 12-11-2024 | 03:26:25        | 15:21 | 21:42   | 02:54 | 79%  | 05:58 | 06:37 | 07:19          | 07:56 | 12:24 | 16:52       | 17:29 | 18:10 | 18:50          |      |
| 13-11-2024 | 03:30:22        | 15:33 | 22:33   | 04:24 | 88%  | 05:59 | 06:39 | 07:20          | 07:58 | 12:24 | 16:51       | 17:28 | 18:09 | 18:49          |      |
| 14-11-2024 | 03:34:18        | 15:48 | 23:27   | 05:56 | 95%  | 06:01 | 06:41 | 07:22          | 07:59 | 12:25 | 16:49       | 17:27 | 18:08 | 18:48          |      |
| 15-11-2024 | 03:38:15        | 16:07 | *****   | 07:31 | 99%  | 06:02 | 06:42 | 07:23          | 08:01 | 12:25 | 16:48       | 17:25 | 18:07 | 18:47          |      |
| 16-11-2024 | 03:42:12        | 16:35 | 00:25   | 09:07 | 100% | 06:04 | 06:44 | 07:25          | 08:03 | 12:25 | 16:46       | 17:24 | 18:06 | 18:46          |      |
| 17-11-2024 | 03:46:08        | 17:16 | 01:27   | 10:36 | 98%  | 06:05 | 06:45 | 07:27          | 08:05 | 12:25 | 16:45       | 17:23 | 18:05 | 18:45          |      |
| 18-11-2024 | 03:50:05        | 18:14 | 02:30   | 11:49 | 94%  | 06:06 | 06:46 | 07:28          | 08:06 | 12:25 | 16:44       | 17:22 | 18:04 | 18:44          |      |
| 19-11-2024 | 03:54:01        | 19:27 | 03:32   | 12:41 | 87%  | 06:08 | 06:48 | 07:30          | 08:08 | 12:26 | 16:43       | 17:21 | 18:03 | 18:43          |      |
| 20-11-2024 | 03:57:58        | 20:48 | 04:30   | 13:15 | 79%  | 06:09 | 06:49 | 07:31          | 08:10 | 12:26 | 16:41       | 17:20 | 18:02 | 18:42          |      |
| 21-11-2024 | 04:01:54        | 22:09 | 05:23   | 13:37 | 70%  | 06:11 | 06:51 | 07:33          | 08:11 | 12:26 | 16:40       | 17:19 | 18:01 | 18:41          |      |
| 22-11-2024 | 04:05:51        | 23:26 | 06:11   | 13:53 | 61%  | 06:12 | 06:52 | 07:34          | 08:13 | 12:26 | 16:39       | 17:18 | 18:00 | 18:40          |      |
| 23-11-2024 | 04:09:47        | ***** | 06:55   | 14:05 | 51%  | 06:13 | 06:54 | 07:36          | 08:15 | 12:27 | 16:38       | 17:17 | 17:59 | 18:39          |      |
| 24-11-2024 | 04:13:44        | 00:39 | 07:36   | 14:15 | 41%  | 06:15 | 06:55 | 07:37          | 08:16 | 12:27 | 16:37       | 17:16 | 17:58 | 18:39          |      |
| 25-11-2024 | 04:17:41        | 01:50 | 08:15   | 14:24 | 32%  | 06:16 | 06:56 | 07:39          | 08:18 | 12:27 | 16:36       | 17:15 | 17:57 | 18:38          |      |
| 26-11-2024 | 04:21:37        | 03:00 | 08:53   | 14:32 | 24%  | 06:17 | 06:58 | 07:40          | 08:19 | 12:27 | 16:35       | 17:14 | 17:57 | 18:37          |      |
| 27-11-2024 | 04:25:34        | 04:11 | 09:33   | 14:42 | 16%  | 06:18 | 06:59 | 07:42          | 08:21 | 12:28 | 16:34       | 17:14 | 17:56 | 18:37          |      |
| 28-11-2024 | 04:29:30        | 05:23 | 10:14   | 14:53 | 10%  | 06:20 | 07:00 | 07:43          | 08:22 | 12:28 | 16:33       | 17:13 | 17:56 | 18:36          |      |
| 29-11-2024 | 04:33:27        | 06:38 | 10:58   | 15:08 | 5%   | 06:21 | 07:02 | 07:44          | 08:24 | 12:28 | 16:33       | 17:12 | 17:55 | 18:36          |      |
| 30-11-2024 | 04:37:23        | 07:55 | 11:46   | 15:29 | 2%   | 06:22 | 07:03 | 07:46          | 08:25 | 12:29 | 16:32       | 17:12 | 17:55 | 18:35          |      |