

| Sun Azimuth & Elevation Intersections for <u>Maine, USA</u> | | | | | (45° N, 70° W) | | Dates & Times-- twice a year for each occurrence: | | Standard Time = UTC - 0500 | | Daylight Time = UTC - 0400 | | | | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|---|------------------|----------------------------|------------------|----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|---|
| AXIMUTH | 60° | | 90° | | 120° | | 135° | | 180° | | 225° | | 240° | | 270° | | 300° | | DT = Second Sun in March -- First Sun in November |
| ALTITUDE | | | | | | | | | | | | | | | | | | | |
| 75° | | | | | | | | | | | | | | | | | | | 75° |
| 60° | | | | | | | | 01- May 12:37 | 12- Aug 12:45 | | | | | | | | | | 60° |
| 45° | | | | | 29- Apr 10:00 | 14- Aug 10:08 | 11- Apr 10:40 | 01- Sep 10:39 | 20- Mar 12:47 | 23- Sep 12:33 | 11- Apr 14:43 | 31- Aug 14:42 | 29- Apr 15:15 | 13- Aug 15:22 | | | | | 45° |
| 30° | | May- 24 08:06 | Jul- 20 08:15 | 27- Mar 09:31 | 16- Sep 09:20 | 09- Mar 09:19 | 05- Oct 09:57 | 08- Feb 11:54 | 03- Nov 11:24 | 08- Mar 14:22 | 04- Oct 15:00 | 27- Mar 16:00 | 16- Sep 15:50 | May- 23 17:08 | Jul- 19 17:18 | | | | 30° |
| 25° | | 09- May 07:49 | 04- Aug 07:59 | 17- Mar 09:21 | 26- Sep 09:04 | 25- Feb 09:11 | 16- Oct 09:44 | 20- Jan 11:51 | 21- Nov 11:26 | 25- Feb 14:35 | 16- Oct 15:08 | 17- Mar 16:15 | 26- Sep 15:59 | 09- May 17:24 | 03- Aug 17:33 | | | | 25° |
| 15° | | 17- Apr 07:22 | 26- Aug 07:25 | 25- Feb 08:01 | 17- Oct 08:34 | 30- Jan 08:50 | 11- Nov 08:21 | | | 30- Jan 14:57 | 11- Nov 14:27 | 24- Feb 15:45 | 16- Oct 16:17 | 17- Apr 17:57 | 25- Aug 17:59 | | | | 15° |
| 10° | | 07- Apr 07:10 | 05- Sep 07:07 | 14- Feb 07:50 | 28- Oct 08:19 | 11- Jan 08:34 | 01- Dec 08:15 | | | 11- Jan 15:02 | 30- Nov 14:43 | 13- Feb 15:59 | 28- Oct 16:29 | 07- Apr 18:14 | 04- Sep 18:11 | | | | 10° |
| 5° | | 29- Mar 06:59 | 14- Sep 06:49 | 01- Feb 07:36 | 09- Nov 07:06 | | | | | | | 01- Feb 16:12 | 09- Nov 15:42 | 29- Mar 18:31 | 14- Sep 18:22 | | | | 5° |
| 0° | 21- May 05:06 | 22- Jul 05:16 | 19- Mar 06:46 | 24- Sep 06:31 | 15- Jan 07:16 | 27- Nov 06:55 | | | | | | 15- Jan 16:22 | 26- Nov 16:00 | 19- Mar 18:49 | 23- Sep 18:34 | 21- May 20:07 | 22- Jul 20:17 | | 0° |

For: East Coast, USA & Hirochi Raceway

Gray rectangles indicate the intersections where the sun can never be, at the given location.

The above table is for when you know the azimuth and altitude you have in mind, and want to yield the dates and times. However, if you wish to do the opposite-- that is... you have a specific date and time in mind, and want to know what the correct azimuth and altitude is for a given location (via latitude and longitude)-- then click on the link below to use the calculator in this website:

<https://www.esrl.noaa.gov/gmd/grad/solcalc/azel.html>