

2010 Rappahannock Astronomy Club Star Parties
 (Check www.raclub.org the day of party for status)

| Date | Location | Sunset | Moonrise ¹ | Moon Phase | Early PM Moon Free | New Moon | Date | Location | Sunset | Moonset ² | Moon Phase | Early PM Moon up | Evening Sky Notes |
|----------|----------------------------------|---------|-----------------------|------------|--------------------|----------|----------|----------------------|---------|----------------------|------------|------------------|--|
| 9-Jan | Caledon | 5:07 PM | 3:37 AM | 27% Q4 | 10:30 | 15-Jan | 16-Jan | Caledon backup | 5:15 PM | 6:45 PM | 2% Q1 | 1:30 | Uranus setting, Mars rising |
| 6-Feb | Caledon | 5:38 PM | 2:31 AM | 43% Q4 | 8:53 | 13-Feb | 13-Feb | Caledon backup | 5:46 PM | 5:37 PM | 0% New | none | Mars in eastern sky |
| 13-Mar | Caledon | 6:15 PM | 5:31 AM | 4% Q4 | 11:16 | 15-Mar | 20-Mar | Caledon or Borders? | 7:22 PM | 12:35 AM | 22% Q1 | 5:13 | Messier Marathon Mar 13 Saturn in east, Mars meridian |
| 10-Apr | Caledon | 7:42 PM | 4:58 AM | 14% Q4 | 9:16 | 14-Apr | 17-Apr | Caledon backup | 7:48 PM | 11:31 PM | 11% Q1 | 3:43 | Messier Backup Apr 10, Saturn east, Mars meridian, Venus & Mercury setting |
| 8-May | Caledon | 8:08 PM | 3:24 AM | 27% Q4 | 7:16 | 13-May | 15-May | Caledon backup | 8:14 PM | 10:22 PM | 3% Q1 | 2:08 | Venus prominent in west, Mars & Saturn near meridian |
| 5-Jun | Caledon | 8:30 PM | 1:49 AM | 43% Q4 | 5:19 | 12-Jun | 12-Jun | Skyline Drive | 8:34 PM | 9:07 PM | 0% New | 0:33 | Venus prominent in west, Mars & Saturn west of meridian |
| | | | | | | | 19-Jun | Westmoreland | 8:36 PM | 1:22 AM | 50% Q1 | 4:46 | Venus prominent in west, Mars & Saturn west of meridian |
| 10-Jul | Caledon | 8:35 PM | 5:34 AM | 2% Q4 | 8:59 | 11-Jul | 17-Jul | Westmoreland | 8:32 PM | 11:56 PM | 41% Q1 | 3:24 | Mars & Venus setting, Saturn in west, Neptune rising late |
| 7-Aug | Caledon & club picnic | 8:13 PM | 4:22 AM | 9% Q4 | 8:09 | 9-Aug | 14-Aug | Caledon backup | 8:05 PM | 10:31 PM | 28% Q1 | 2:26 | Jupiter, Uranus rising late; Neptune in eastern sky |
| 4-Sep | Caledon | 7:35 PM | 3:12 AM | 20% Q4 | 7:37 | 8-Sep | 11-Sep | Skyline Drive | 7:24 PM | 9:05 PM | 15% Q1 | 1:41 | Jupiter, Uranus, Neptune in eastern sky |
| 2-Oct | Caledon | 6:51 PM | 2:05 AM | 34% Q4 | 7:14 | 7-Oct | 9-Oct | Caledon backup | 6:41 PM | 7:39 PM | 5% Q1 | 0:58 | Jupiter, Uranus, Neptune near meridian |
| 5-Nov * | Caledon | 6:13 PM | 1:04 AM | 50% Q4 | 6:51 | 6-Nov | 13-Nov | Caledon or Borders? | 4:59 PM | 12:02 AM | 22% Q1 | 7:03 | Jupiter, Uranus, Neptune in western sky |
| 3-Dec * | Caledon | 4:51 PM | 11:06 PM | 63% Q4 | 6:15 | 5-Dec | 11-Dec | Caledon or Borders? | 4:50 PM | 10:48 PM | 33% Q | 5:58 | Jupiter & Uranus in west, Neptune setting |
| 2-Jan-11 | Caledon | 5:00 PM | 5:38 AM | 8% Q4 | 12:38 | 4-Jan | 9-Jan-11 | Caledon backup | 5:06 PM | 9:33 PM | 17% Q1 | 4:27 | Jupiter, Uranus setting |

Daylight Saving Time

Bold text = Primary star party. Regular text = Backup date. * = Friday Skyline Drive star parties may be held at Big Meadows or Milam Gap. Check for specifics before each star party.

Sun times and Moon times and moon phase information are for Fredericksburg Virginia, from US Naval Observatory.

Twilight is approx one hour and therefore reduces Moon Free early PM time by that much. Also overlaps with Early PM Moon time, reducing Moon's interference by that amount.

Sun and Moon times reflect daylight saving times: begin second Sunday in March (14th) and end first Sunday in November (7th), denoted by double lines; clocks change at 2 AM on Sunday.

(1) AM Moonrise means Moon rises the following morning, i.e. after midnight; (2) If Moonset time before Sunset time, Moon is already below horizon at sunset

Public outreach events and scouting clinics are specially scheduled and will be posted on the club web site, <http://www.raclub.org>, as soon as dates and locations are determined.

Club meetings usually held at Central Rappahannock Regional Library, A/V Room, 1201 Caroline St, F'burg. Meet/greet 6:45 PM, Program 7:00 PM, Business session ~ 8:00 PM, end 8:45 PM

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| 2010 Club Meetings | Wed Jan 13 | Wed Feb 10 | Wed Mar 10 | Wed Apr 14 | Wed May 12 | Wed June 9 | Wed July 14 | Sat Aug 7 | Wed Sept 8 | Wed Oct 13 | Wed Nov 10 | Wed Dec 8 |
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