

**2010 Rappahannock Astronomy Club Star Parties**  
 (Check [www.raclub.org](http://www.raclub.org) the day of party for status)

Date	Location	Sunset	Moonrise <sup>1</sup>	Moon Phase	Early PM Moon Free	New Moon	Date	Location	Sunset	Moonset <sup>2</sup>	Moon Phase	Early PM Moon up	Evening Sky Notes
9-Jan	<b>Caledon</b>	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	<b>Caledon</b>	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	<b>Caledon</b>	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	<b>Caledon</b>	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	<b>Caledon</b>	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	<b>Caledon</b>	8:30 PM	1:49 AM	43% Q4	5:19	12-Jun	12-Jun	<b>Skyline Drive</b>	8:34 PM	9:07 PM	0% New	0:33	Venus prominent in west, Mars & Saturn west of meridian
							19-Jun	<b>Westmoreland</b>	8:36 PM	1:22 AM	50% Q1	4:46	Venus prominent in west, Mars & Saturn west of meridian
10-Jul	<b>Caledon</b>	8:35 PM	5:34 AM	2% Q4	8:59	11-Jul	17-Jul	<b>Westmoreland</b>	8:32 PM	11:56 PM	41% Q1	3:24	Mars & Venus setting, Saturn in west, Neptune rising late
7-Aug	<b>Caledon &amp; club picnic</b>	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	<b>Caledon</b>	7:35 PM	3:12 AM	20% Q4	7:37	8-Sep	11-Sep	<b>Skyline Drive</b>	7:24 PM	9:05 PM	15% Q1	1:41	Jupiter, Uranus, Neptune in eastern sky
2-Oct	<b>Caledon</b>	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 *	<b>Caledon</b>	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 *	<b>Caledon</b>	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	<b>Caledon</b>	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
Date	Location	Sunset	Moonrise <sup>1</sup>	Moon Phase	Early PM Moon Free	New Moon	Date	Location	Sunset	Moonset <sup>2</sup>	Moon Phase	Early PM Moon up	Evening Sky Notes

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

<b>2010 Club Meetings</b>	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
<b>Location</b>	CRRL Caroline St	CRRL Caroline St	CRRL Caroline St	CRRL Salem Church Br.	CRRL Salem Church Br.	CRRL Caroline St	CRRL Caroline St	Caledon @ Club Picnic	CRRL Caroline St	CRRL Salem Church Br.	CRRL Caroline St	CRRL Caroline St