

2012 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
21-Jan-12	Caledon	5:20 PM	5:51 AM	3% Q4	12:31	23-Jan-12	28-Jan-12	Belmont *	5:27 PM	11:08 PM	28% Q1	5:41	Jupiter high, Uranus west, Venus setting
18-Feb-12	Caledon	5:51 PM	4:33 AM	11% Q4	10:42	21-Feb-12	25-Feb-12	Belmont *	5:58 PM	9:53 PM	13% Q1	3:55	Jupiter west, Venus setting, Mars rising
17-Mar-12	Caledon	7:19 PM	4:14 AM	23% Q1	8:55	22-Mar-12	24-Mar-12	Belmont *	7:26 PM	9:41 PM	4% Q1	2:15	Messier Marathon Mar 24 Jupiter Venus west, Mars east
14-Apr-12	Caledon	7:46 PM	2:52 AM	37% Q4	7:06	21-Apr-12	21-Apr-12	Belmont *	7:52 PM	8:13 PM	0% New	0:21	Messier Marathon bkup Apr 21 Venus west Mars high Saturn east
19-May-12	Caledon	8:18 PM	4:56 AM	2% Q4	8:38	20-May-12	26-May-12	Lake Anna	8:24 PM	12:33 AM	28% Q1	4:09	Mars, Saturn near meridian
16-Jun-12	Caledon	8:36 PM	3:33 AM	8% Q4	6:57	19-Jun-12	23-Jun-12	Belmont *	8:37 PM	11:08 PM	16% Q1	2:31	Mars, Saturn west of meridian
14-Jul-12	Caledon	8:33 PM	2:11 AM	18% Q4	5:38	19-Jul-12	21-Jul-12	Belmont *	8:29 PM	9:43 PM	7% Q1	1:14	Mars, Saturn in west
							28-Jul-12	Westmoreland	8:23 PM	2:22 AM	75% Q1	5:59	Mars, Saturn in west
11-Aug-12	Caledon	8:08 PM	12:50 AM	33% Q4	4:42	17-Aug-12	18-Aug-12	Belmont * & Club Picnic	7:59 PM	8:16 PM	1% Q1	0:17	Mars, Saturn setting, Uranus, Neptune rising late
							25-Aug-12	Westmoreland	7:49 PM	1:16 AM	62% Q1	5:27	Mars, Saturn setting, Uranus, Neptune rising late
8-Sep-12	Caledon	7:28 PM	12:18 AM	50% Q4	4:50	15-Sep-12	15-Sep-12	Belmont *	7:17 PM	6:47 PM	0% New	none	Uranus in east
6-Oct-12	Stratford Hall	6:42 PM	11:00 PM	66% Q4	4:18								Uranus Neptune in east
13-Oct-12	Caledon	6:34 PM	5:07 AM	5% Q4	10:33	15-Oct-12	20-Oct-12	Lake Anna	6:24 PM	11:11 PM	34% Q1	4:47	Uranus Neptune high, Jupiter rising
10-Nov-12	Belmont *	5:01 PM	2:52 AM	14% Q4	9:51	13-Nov-12	17-Nov-12	Caledon	4:56 PM	9:04 PM	20% Q1	4:08	Uranus high, Neptune west, Jupiter in east
8-Dec-12	Caledon	4:49 PM	1:40 AM	28% Q4	8:51	13-Dec-12	15-Dec-12	Belmont *	4:51 PM	7:51 PM	8% Q1	3:00	Uranus Neptune west, Jupiter high
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

Daylight Saving Time

Bold text: Primary star party. Regular text: Backup or alternate date. **No Party** * For RAC members only. Directions to Belmont are available at RaClub.org & Yahoo [rac_group](#).
 Sun times and Moon times and moon phase information are for Fredericksburg Virginia. From US Naval Observatory and http://www.moonconnection.com/moon_phases_calendar.phtml
 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 (**Mar 11**) and end first Sunday in November (**Nov 4**), denoted by double lines; clocks change at 2 AM Sunday.
 (1) AM Moonrise means Moon rises the following morning, i.e. after midnight; (2) If Moonset time is before Sunset time, Moon is already below horizon at sunset.
 Unscheduled first quarter Moon outreach dates: Mar 31 - 58%, Apr 28 - 42%, Sept 22 - 56% (Westmoreland: July 28 - 78%, Aug 25 - 62%) [Moon Phase Calendar](#)
 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

2012 Club Meetings	Wed Jan 11	Wed Feb 8	Wed Mar 14	Wed Apr 11	Wed May 9	Wed June 13	Wed July 11	Sat Aug 18	Wed Sept 12	Wed Oct 10	Wed Nov 14	Wed Dec 12	
Location	CRRL Caroline St	CRRL Caroline St	CRRL Caroline St	CRRL Caroline St	CRRL Caroline St	CRRL Caroline St	CRRL Caroline St	Scott's @ Club Picnic	CRRL Caroline St	CRRL Caroline St	CRRL Caroline St	CRRL Caroline St	Note: Meeting location subject to change.