

2009 Rappahannock Astronomy Club Star Parties & Public Events

Date	Location	Sunset	Moonrise ¹	Moon Phase	Early PM Moon Free	New Moon	Date	Location	Sunset	Moonset ²	Moon Phase	Early PM Moon up	Notes
17-Jan	Caledon	5:15 PM	12:55 AM	50% Q4	7:40	26-Jan	24-Jan	Caledon backup	5:23 PM	3:52 PM	2% Q4	none	1/17 KG Parks & Rec Venus Uranus in West Fredericksburg Parks & Recreation Public Event
							24-Jan	Motts Run Reservoir	5:23 PM	3:52 PM	2% Q4	none	
21-Feb	Caledon	5:54 PM	5:32 AM	10% Q4	11:38	24-Feb	28-Feb	Caledon backup	6:01 PM	10:08 PM	14% Q1	4:07	Saturn low in East Venus low in West
21-Feb	Motts Run Reservoir	5:54 PM	5:32 AM	10% Q4	11:38	24-Feb	7-Mar	Motts Run Reservoir	6:09 PM	4:58 AM	85% Q2	10:49	Fredericksburg Parks & Recreation Public Events
21-Mar	Caledon	7:21 PM	5:01 AM	24% Q4	9:40	26-Mar	28-Mar	Caledon backup	7:28 PM	10:07 PM	5% Q1	2:39	Messier Marathon possible both weekends + Saturn
Fri 3-Apr	Borders	7:35 PM		62% Q2	8:23		4-Apr	Motts Run Reservoir	7:36 PM	3:58 AM	73% Q2	8:22	IYA 2009 100 Hr Astronomy Fred Parks & Rec - Saturn
18-Apr	Westmoreland	7:48 PM	3:28 AM	40% Q4	7:40	24-Apr	25-Apr	Barnesfield & Caledon	7:55 PM	9:01 PM	1% Q1	1:06	4/25 KG Solar Barnesfield Saturn
							2-May	Borders	8:02 PM	3:02 AM	59% Q2	7:00	Astronomy Day Moon & Saturn
16-May	Westmoreland backup	8:14 PM	1:54 AM	56% Q3	5:40	24-May	23-May	Caledon	8:20 PM	7:52 PM	1% Q4	none	Saturn
20-Jun	RAC Skyline Drive	8:35 PM	4:08 AM	9% Q4	7:33	22-Jun	27-Jun	Caledon	8:36 PM	12:01 AM	30% Q1	3:25	Moon, Saturn in West
18-Jul	Caledon	8:30 PM	2:50 AM	17% Q4	6:20	21-Jul	25-Jul	Caledon backup	8:24 PM	10:28 PM	17% Q1	2:04	Saturn in West
15-Aug	Caledon	8:02 PM	1:38 AM	29% Q4	5:36	20-Aug	22-Aug	Caledon & Club Picnic	7:53 PM	8:54 PM	7% Q1	1:01	Club picnic 22 August Mercury Saturn at sunset
12-Sep	Caledon	7:21 PM	12:33 AM	44% Q4	5:12	18-Sep	18-19 Sept	Big Meadows Star Gaze	7:10 PM	7:21 PM	1% Q1	0:11	BMSG 18-19 September Jupiter Neptune low in East
10-Oct	Caledon	6:37 PM	11:35 PM	58% Q3	4:58	18-Oct	17-Oct	Caledon	6:27 PM	5:49 PM	1% Q4	none	Jupiter Neptune in East
							24-Oct	Caledon backup	6:18 PM	11:15 PM	37% Q1	4:57	Jupiter Neptune in East IYA2009 Galilean Nights
14-Nov	Caledon	4:57 PM	5:43 AM	5% Q4	12:46	16-Nov	21-Nov	Caledon backup	4:52 PM	9:03 PM	22% Q1	4:11	Jupiter Uranus Neptune Borders possibility
12-Dec	Caledon	4:48 PM	4:39 AM	14% Q4	11:51	16-Dec	19-Dec	Caledon backup	4:51 PM	7:52 PM	9% Q1	3:01	Jupiter Uranus Neptune

Daylight Saving Time

Bold text = Primary star party. Regular text = Backup star party. **Bold Italics** = Public event.

Sun times and Moon times and phase info from The Sky v6 and USNO.

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 (8th) and end first Sunday in November (1st), see dashed 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