

**MVAS / Centennial Observatory
2013 Event Schedule**

Updated March 29, 2013 subject to change without notice.

For the latest on upcoming events, call the Centennial Observatory Star Line at 732-MOON (6666)
All telescope viewing is weather permitting.

Most events are co-hosted at the Centennial Observatory

April

Saturday, April 13th, 8:45 PM to midnight

Monthly free star party – Waxing crescent (13%) Moon (sets early), Jupiter, Saturn (rises late). Free admission.

Saturday, April 20th, 10:00 AM to midnight

International Astronomy Day - Solar viewing (10:00 AM to 5:00 PM), astronomy and space make-and-take projects (10:00 AM to 5:00 PM), nighttime telescope viewing (8:45 PM to midnight), and more. Free admission to most activities.

May

Friday, May 10th, 8:45 to 9:45 PM

Bi-monthly astronomy talk: “The Bighorn Medicine Wheel: A Native American Sky Calendar?” – High in Wyoming’s Bighorn Mountains lies an ancient stone circle which may have served as a Native American calendric observatory. Admission: Adults \$2.50, students: \$1.50, children 6 and under free. Telescope viewing will follow the talk until 11:45 PM (weather permitting). Admission: \$1.50 or free with talk or paid planetarium show admission.

Saturday, May 11th, 9:15 PM to midnight

Monthly free star party – Jupiter (sets early), Saturn, deep sky targets comet Pan-STARRS (after 10:45 PM). Free admission.

Wednesday, May 29th, 1:30 to 3:30 PM

Summer solar session #1 - Safely view sunspots and the solar atmosphere through special filtered telescopes. Some bright stars and planets also visible! Free admission.

June

Wednesday, June 5th, 1:30 to 3:30 PM

Summer solar session #2 - Safely view sunspots and the solar atmosphere through special filtered telescopes. Some bright stars and planets also visible! Free admission.

Saturday, June 8th, 9:15 PM to midnight

Monthly free star party – Mercury (sets very early), Saturn, deep-sky targets, comet Pan-STARRS. Free admission.

Wednesday, June 12th, 1:30 to 3:30 PM

Summer solar session #3 - Safely view sunspots and the solar atmosphere through special filtered telescopes. Some bright stars and planets also visible! Free admission.

Wednesday, June 19th, 1:30 to 3:30 PM

Summer solar session #4 - Safely view sunspots and the solar atmosphere through special filtered telescopes. Some bright stars and planets also visible! Free admission.

Wednesday, June 26th, 1:30 to 3:30 PM

Summer solar session #5 - Safely view sunspots and the solar atmosphere through special filtered telescopes. Some bright stars and planets also visible! Free admission.

July

Wednesday, July 3rd, 1:30 to 3:30 PM

Summer solar session #6 - Safely view sunspots and the solar atmosphere through special filtered telescopes. Some bright stars and planets also visible! Free admission.

Friday, July 5th, 8:45 to 9:45 PM

Bimonthly Astronomy Talk: "The Gaia Galactic Survey Mission" – In August, the European Space Agency will launch a probe designed to accurately map the distances and motions of 1 billion stars in our galaxy. Admission: Adults \$2.50, students: \$1.50, children 6 and under free. Telescope viewing will follow the talk until 11:45 PM (weather permitting). Admission: \$1.50 or free with talk or paid planetarium show admission.

Saturday, July 6th, 3:00 PM to midnight

Pomerelle Mountain Star Party (7th Annual) - Solar viewing and water bottle rockets from 3:00 PM to 5:30 PM. Night sky talk at 7:45 PM. Lift starts running at 8:45 PM (tickets required). Telescope viewing until midnight. Co-hosted with the Centennial Observatory and Pomerelle Mountain Resort.

Wednesday, July 10th, 1:30 to 3:30 PM

Summer solar session #7 - Safely view sunspots and the solar atmosphere through special filtered telescopes. Some bright stars and planets also visible! Free admission.

Saturday, July 13th, 9:30 PM to midnight

Monthly free star party – Waxing crescent (30%) Moon (sets early), Saturn, deep-sky targets. Free admission.

Wednesday, July 17th, 1:30 to 3:30 PM

Summer solar session #8 - Safely view sunspots and the solar atmosphere through special filtered telescopes. Some bright stars and planets also visible! Free admission.

Wednesday, July 24th, 1:30 to 3:30 PM

Summer solar session #9 - Safely view sunspots and the solar atmosphere through special filtered telescopes. Some bright stars and planets also visible! Free admission.

Wednesday, July 31st, 1:30 to 3:30 PM

Summer solar session #10 - Safely view sunspots and the solar atmosphere through special filtered telescopes. Some bright stars and planets also visible! Free admission.

August

Wednesday, August 7th, 1:30 to 3:30 PM

Summer solar session #11 - Safely view sunspots and the solar atmosphere through special filtered telescopes. Some bright stars and planets also visible! Free admission.

Friday, August 9th and Saturday, August 10th, 2:00 PM to 12:00 AM

City of Rocks Star Party (6th Annual) - Solar viewing from 2:00 PM to 6:00 PM at the Smoky Mountain Campground, Castle Rocks State Park. Nighttime telescope viewing from 9:00 PM to 12:00 AM at the Ranch House site. Co-hosted with the Centennial Observatory. Park entry fees apply.

Saturday, August 10th, 9:15 PM to midnight

Monthly free star party - Saturn, deep-sky targets. Free admission.

Wednesday, August 14th, 1:30 to 3:30 PM

Summer solar session #12 - Safely view sunspots and the solar atmosphere through special filtered telescopes. Some bright stars and planets also visible! Free admission.

Wednesday, August 21st, 1:30 to 3:30 PM

Summer solar session #13 - Safely view sunspots and the solar atmosphere through special filtered telescopes. Some bright stars and planets also visible! Free admission.

Wednesday, August 28th, 1:30 to 3:30 PM

Summer solar session #14 - Safely view sunspots and the solar atmosphere through special filtered telescopes. Some bright stars and planets also visible! Free admission.

September

Friday, September 6th, 8:00 to 9:00 PM

Bimonthly astronomy talk "The Monster in the Milky Way's Middle" – An in-depth look at the giant black hole lurking at our galaxy's heart. Admission: Adults \$2.50, students: \$1.50, children 6 and under free. Telescope viewing will follow the talk until 11:00 PM (weather permitting). Admission: \$1.50 or free with talk or paid planetarium show admission.

Saturday, September 14th, 8:45 PM to midnight

Monthly free star party – Waxing gibbous (76%) Moon, double stars. Free admission.

Saturday, September 14th, All day event

25th Anniversary Celebration of City of Rocks

October

Saturday, October 12th, 8:00 PM to midnight

Monthly free star party & International Observe the Moon Night – Waxing gibbous (62%) Moon, double stars, star clusters. Free admission.

November

Friday, November 1st, 6:30 to 7:30 PM

Bimonthly astronomy talk: "Introducing Delphinus, the Dolphin" – The history, mythology, and interesting celestial targets in this small but distinctive constellation. Admission: Adults \$2.50, students: \$1.50, children 6 and under free. Telescope viewing will follow the talk until 9:30 PM (weather permitting). Admission: \$1.50 or free with talk or paid planetarium show admission.

Saturday, November 9th, 6:15 PM to midnight

Monthly free star party – First quarter (47%) Moon, double stars, star clusters. Free admission.

Tuesday, November 12th, 6:15 to 9:00 PM

Telescope Tuesday – Waxing gibbous (79%) Moon, double stars. Admission: \$1.50, ages 6 and under free, free to all with paid planetarium admission.

Tuesday, November 26th, 6:00 to 9:00 PM

Telescope Tuesday – Deep sky targets. Admission: \$1.50, ages 6 and under free, free to all with paid planetarium admission.

December

Tuesday, December 10th, 6:00 to 9:00 PM

Telescope Tuesday – Waxing gibbous (65%) Moon, double stars, Jupiter (rising late). Admission: \$1.50, ages 6 and under free, free to all with paid planetarium admission.

Saturday, December 14th, 6:00 PM to midnight

Monthly free star party – Waxing gibbous (95%) Moon, double stars, Jupiter (after 8:25 PM). Free admission.

Tuesday, December 24th

Telescope Tuesday - Canceled for Christmas Eve.