

Colorado Astronomy Day

Saturday, September 15, 2007

"Bringing astronomy to the people"

Photo Credits: Joe Gafford, Steve Solon, Phil Good

**Denver Museum of Nature and Science
Univ. of Denver's Historic Chamberlin Observatory
Fiske Planetarium & Science Center**
Solar and astronomical observing, educational lectures, cultural events and fun for people of all ages.

On Saturday, September 15th, the Denver Astronomical Society (DAS) and other Colorado science organizations will celebrate Colorado Astronomy Day 2007, in coordination with National Astronomy Day.

Activities begin at the Denver Museum of Nature and Science with Colorado astronomy information displays and presentations, and safe observing of the Sun through solar telescopes operated by DAS members.

Fiske Planetarium on the CU Boulder campus will host a live lecture and a bilingual starshow called "Space Storm" on the Earth-Sun connection from 1pm to 4 pm. Safe public solar observing at the entrance to the planetarium will be facilitated by the Boulder Astronomy and Space Society.

In the evening in Denver, DAS and the University of Denver will host an open house at DU's historic Chamberlin Observatory, 2930 E. Warren Ave. The program will feature celestial viewing through the University of Denver's 20-inch Clark-Saegmuller refracting telescope and dozens of DAS-member telescopes, as well as richly illustrated astronomy talks and a variety of displays, including meteorites and astronomical images.

Summary of Activities

Denver Museum of Nature & Science, Denver

9 am–5 pm: Museum and Space Odyssey Open

Safe Solar Observing on the West Patio (11am – 3pm)

Conducted by *Denver Astronomical Society Members*

Astronomy presentations and talks (10am - 4pm)

3D Aurora Multimedia Shows; Mars Rover Update

"Journey Through the Universe" at the Orbits Explorer

"How Many Stars in the Sky?" Story-telling for children.

Explore and photograph the universe from your back yard.

DU's Historic Chamberlin Observatory, Denver

Hosted by the Denver Astronomical Society

6 pm–11pm: Astronomy & Dark Sky Preservation Exhibits

6 pm–7:30pm: "Astronomy 101;" "Mars: Deceptive Planet"

7:30 pm–11pm: Astronomical Observing—Jupiter!

Fiske Planetarium and Science Center, Boulder

1pm "Innovative Science Education at CU"

2-4pm Starshow: "Space Storm" (English/Spanish)

Explore the Sun-Earth connection!

1-4pm Look at the Sun through telescopes!

Web sites: www.coloradoastronomyday.org | www.thedas.org | <http://fiske.colorado.edu> | www.dmn.org



Denver Astronomical Society, c/o Chamberlin Observatory, 2930 E Warren Ave, Denver, CO 80210 | www.thedas.org

COLORADO ASTRONOMY DAY 2007

Saturday, September 15, 2007

9:00 am to 11:00 pm

OBSERVING & EVENT SCHEDULE

DENVER

9:00 am -
5:00 pm

Denver Museum of Nature and Science

ONGOING ACTIVITIES:

Museum and Space Odyssey interactive exhibits- Regular 9 am to 5 pm schedule.
(Please note that Gates Planetarium is closed for renovation)

Daytime Solar Observing on the **West Patio** at the Denver Museum of Nature and Science (*safe Hydrogen Alpha, White light and Calcium Solar telescopes operated by members of the Denver Astronomical Society, along with a Solar Spectrograph display*) (West Patio, outside the Leprino Family Atrium, Level 1, 11 am to 3 pm)

Denver Astronomical Society - Interested in joining a local astronomy club or finding our about the stars you can see from your backyard? The DAS is here to answer your questions. (Level 1, 10 am - 4 pm)

A.T.O.M. (Active Teens of the Museum) Air & Space Club - Are you a teen? Do you love astronomy? Find out how to get involved in this or other teen programs at the Museum (Level 1, 10 am - 4 pm)

Planetary Society - The Planetary Society is dedicated to inspiring the public with the adventure and mystery of space exploration and the search for extraterrestrial life. (Level 1, 10 am - 4 pm)

Regular museum admission rates apply. No additional cost for special Astronomy Day activities.

10:30am-
4:00 pm

PRESENTATIONS AND LECTURES

All programs are free, but require regular museum admission

| Time | Program | Place |
|-----------------------|--|--------------------------------------|
| 11:00 am - 4:00 pm | Dr. Ka Chun Yu, DMNS - Journey Through the Universe - visual wonders of the universe and your astronomy questions answered | Space Odyssey, Orbits Explorer Table |
| 10:30- 10:50 am | Naomi Pequette, DAS - Star Track: Boldly Explore the Universe from Your Backyard | Galaxy Stage* |
| 11:30 am- 12:15 pm | Bryan White - Multimedia 3D Comet & Aurora Show | El Pomar Space Education Center |
| 12:30- 12:50 pm | Dr. Steven Lee, DMNS - Mars Mission Update | Galaxy Stage* |
| 1:00- 1:45 pm | Bryan White - Multimedia 3D Comet & Aurora Show | El Pomar Space Education Center |
| 1:45- 2:00 pm | "How Many Stars in the Sky?" One child's quest to count the stars (big screen storytelling) | Galaxy Stage* |
| 2:00- 2:20 pm | Phil Good, DAS—Astronomical Imaging with CCDs and Your Digital Camera | Galaxy Stage* |
| 3:30- 3:50 pm | Cathie Havens, S&S Optika (invited) —Using and understanding telescopes: the tools of astronomy | Galaxy Stage* |

* Galaxy Stage is inside Space Odyssey

COLORADO ASTRONOMY DAY OBSERVING & EVENT SCHEDULE

DENVER

6:00 pm -
11:00 pm

University of Denver's Historic Chamberlin Observatory

Open House Hosted by the Denver Astronomical Society and
the University of Denver

| Time | Program | Place |
|-----------------|--|-------------------------|
| 6:00 - 11:00 pm | Exhibits & Displays (meteorites; dark sky lighting, images) | Observatory |
| 6:00 - 6:45 pm | Keith Pool, DAS - "Astronomy 101" | Observatory |
| 6:45 - 7:30 pm | Robert Bruner, DMNS/DAS - "Mars: A Deceptive Planet" | Observatory |
| 7:30 - 11:00 pm | Nighttime Astronomical Observing Viewing of the crescent moon, Jupiter, Uranus, Neptune, and favorite deep sky objects such as star clusters and nebulae through the 113 year-old 20-in Alvan Clark-Saegmuller telescope, one of the largest refractor telescopes in the country. We will also have over 30 amateur telescopes of various sizes and types in Observatory Park, with knowledgeable operators who will be happy to show you requested objects and answer your questions about astronomy, astronomical equipment, and celestial objects and events. | |
| 7:30 - 11:00 pm | 20-in Alvan Clark-Saegmuller Refractor (\$1.00 fee) | Dome Room (escorted) |
| 7:30 - 11:00 pm | DAS member telescopes Astronomical Observing & Demonstrations (free) | Observatory Park |

No reservations are required

BOULDER

1:00 pm -
4:00 pm

Fiske Planetarium & Science Center

| | |
|-----------------|--|
| 1:00 - 2:00 pm: | Live Talk: "Innovative Science Education at CU" Dr. Doug Duncan, Fiske Planetarium Director |
| 2:00 - 3:00 pm: | Primera presentacion: "Tormenta Espacial" Explore la connexion entre el Sol y la Tierra |
| 3:00 - 4:00 pm: | Starshow: "Space Storm" Explore the Sun-Earth connection! |

1:00 pm -
4:00 pm

Boulder Astronomical and Space Society

Safe public observing of the sun facilitated by members of the Boulder Astronomy and Space Society.
Outside the entrance to Fiske Planetarium.

No nighttime observing due to a night CU football game

BRIGHTON

9:00 am -
11:00 pm

Brighton Astronomy Group

Daytime public observing of the Sun through filtered 11-inch and 4.25-inch telescopes. Giant 400-foot solar system model for the kids. Nighttime observing with 12.5-inch, 11-inch and 4.25-inch telescopes.

Location: Bromley Park at 22nd Avenue and Bromley Lane in Brighton, Colorado

Contact for information: walkeyscomputers@aol.com

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