


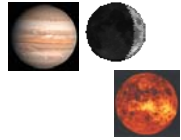










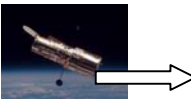



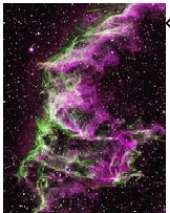
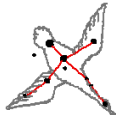



December 2008 USM Southworth Planetarium 207-780-4249

www.usm.maine.edu/planet

|  Sun |  Mon | Tue | Wed | Thu | Fri |  Sat |
|--|--|--|---|---|--|--|
| CALENDAR COLOR CODE Planetarium shows: Red Astron. events: purple Definition: Orange Astronomical facts: blue Classes/Lectures: green Special events: Pink | 1  Venus 2.0' S of Jupiter Moon 1.3' SSE of Jupiter | 2  MERCURY WATCH: Evening western sky. <u>Lecture:</u> Small objects, Big Impacts 7:00 p.m. (On back) | 3  VENUS WATCH: Western evening sky. Bright sight. See Dec 1 | 4 FIRST QUARTER  ORION | 5 7:00 Season of Light 8:30 Ring World  Mars in solar conjunction | 6 3:00 Season of Light 7:00 Season of Light 8:30 Eight Planets See Orion throughout the night this month! |
| 7 3:00 Season of Light  Our seasonal holiday show "Season of Light" returns. See it this month! | 8  MARS WATCH: Not visible this month. In conjunction on December 5. | 9 <i>Did the Magi see a conjunction of planets?</i>  | 10  Hand boilers We invite you to do some of your holiday shopping at our gift shop, "Everything Under the Sun!" | 11  Moon 0.81° NNW of Pleiades center | 12 FULL MOON 7:00 Season of Light 8:30 Images 2008  Gemini the Twins | 13 3:00 Season of Light 7:00 Season of Light 8:30 Ring World Geminid meteors |
| 14 3:00 Season of Light <u>Lecture:</u> World Sky Mythology 4:00 p.m. | 15  Hubble Space Telescope | 16 The Hubble Space Telescope orbits Earth at a distance of more than 300 miles above the planet's surface. See the latest Hubble images in "Images of the Infinite" | 17  Regulus Moon 2.2° SSW of Regulus | 18  Sun enters Sagittarius Moon 5.4° SSW of Saturn | 19 LAST QUARTER 7:00 Season of Light 8:30 Eight Planets | 20 3:00 Season of Light "SOLSTICE DAWNING" Celestial Poetry Evening 7:00 p.m. (On back) |
| 21 3:00 Season of Light  WINTER SOLSTICE 7:04 a.m. | 22 Veil Nebula  | 23 The Veil Nebula is composed of remnants of a supernova: a star that ended its life in a cataclysmic explosion. Located in the constellation Cygnus, the Veil Nebula is 1,400 light years from Earth. | 24  Cygnus the Swan: Northwestern evening sky. | 25  CHRISTMAS DAY Planetarium Closed Equinox on Mars | 26 11:00 Season of Light 1:00 Ring World No evening astronomy shows on December 26. | 27 NEW MOON 3:00 Season of Light 7:00 Season of Light 8:30 Dinosaurs Venus 1.4° SSE of Neptune |
| 28 3:00 Season of Light | 29 11:00 Eight Planets 1:00 Season of Light Moon 0.63° S of Jupiter | 30 11:00 Rusty Rocket 1:00 Season of Light | 31 11:00 Eight Planets 1:00 Season of Light IYA All night festival starts at 8:00 p.m. (Details attached) | 2009 is the INTERNATIONAL YEAR OF ASTRONOMY! | The Planetarium will have events, activities, lectures, programs throughout the year in celebration of this year | WE WILL HAVE AN ALL NIGHT FESTIVAL ON DECEMBER 31 - JANUARY 1 (Details attached) |