

JUL 09

- 1: Moon passes near Spica in evening sky
- 2: Asteroid Las Vegas closest approach to Earth (1.667 AU*)
- 3: Earth at aphelion (greatest distance from the Sun)
- 4: Antares 0.5° S of Moon in evening sky
- 5: Comet Itagaki closest approach to Earth (0.923 AU)
- 6: Comet Christensen at perihelion (nearest the Sun) (3.126 AU)
- 7: **Full Moon.** Moon at apogee. Penumbral Eclipse of the Moon visible throughout Australia, the Pacific Ocean, and the Eastern regions of the Americas
- 8: Cassini spacecraft flyby of Titan
- 9: Voyager 2 flies past Jupiter (1979)
- 10: Jupiter 4° S of Moon. Neptune 3° S of Moon in morning sky
- 11: Moon above Jupiter in morning sky
- 12: Asteroid Lewicki closest approach to earth (1.324 AU)
- 13: Mercury in superior conjunction. Uranus 6° S of Moon. Jupiter 0.6° S of Neptune
- 14: Venus located in the Hyades open cluster in dawn sky
- 15: **Third Quarter Moon**
- 16: Comet Shoemaker–Levy 9 smashes into Jupiter (1994)
- 17: First photograph of a star taken in 1850
- 18: Mars 5° S of Moon
- 19: Venus, Mars and crescent moon form a triangle in pre-dawn sky
- 20: Apollo 11 anniversary of first human to walk on the Moon (1969)
- 21: **New Moon.** Moon at Perigee (closest point to Earth)
- 22: Total Solar Eclipse. Totality begins in central India moving east and ending in the central Pacific Ocean
- 23: Chandra X-ray Observatory deployed (1999)
- 24: Cassini probe passes Titan
- 25: Saturn 7° N of crescent moon in early evening sky
- 26: Mars located close to the Hyades open cluster in pre-dawn sky
- 27: Mars 5° N of Aldebaran
- 28: **First Quarter Moon**
- 29: Southern Delta Aquarids meteor shower peaks in E after midnight
- 30: Alpha–Capricornids meteor shower peaks
- 31: Antares 0.5° S of Moon

**Note: An Astronomical Unit (AU) is equivalent to the average distance between the Earth and the Sun.*