

2011—Astronomically Handy Sky Calendar from Huachuca Astronomy Club—2011
SKY Phenomena Calendar for TIME ZONE MST and NO DST (ARIZONA, USA)*

January 2011

HIGHLIGHT: Quadrantid Meteors

01 Sa New Year's Day
 04 Tu **Quadrantid** Meteors Peak—
 view morning of the 4th**
 04 Tu ● New Moon 0203 hrs.
**06 Th Public Astronomy Night—
 Patterson Observatory**
07 Fr Member Star Party @DOW
 09 Su **DbI. Satellite Tr.-J**;2049hrs.
 12 We ☽ First Quarter Moon 0431 hrs.
 19 We ○ Full Moon 1421 hrs.
21 Fr HAC Meeting, 1900 hrs.
 26 We ☾ Last Quarter Moon 0557 hrs.

February 2011

HIGHLIGHT: Zodiacal Light in West

02 We ● New Moon 1931 hrs.
04 Fr Member Star Party @CSO
 04 Fr **Occultation** of magnitude
 11.5 star by MP (2709) Sagan
 at 2331hrs in Cancer (predicted)
 08 Tu α Centaurid meteors, 0500h.
10 Th Public Astronomy Night-PO
 11 Fr ☽ First Quarter Moon 0018 hrs.
 18 Fr ○ Full Moon 0136 hrs.
18 Fr HAC Meeting, 1900 hrs.
 20 Su Zodiacal Lt. in W., pm, 2 wks
 24 Th ☾ Last Quarter Moon 0251 hrs.

March 2011

HIGHLIGHT: Mercury at dusk

04 Fr ● New Moon 1346 hrs
04 Fr Member Star Party @WMO
10 Th Public Astronomy Night-PO
 12 Sa ☽ First Quarter Moon 1645 hrs.
18 Fr HAC Meeting, 1900 hrs.
 19 Sa ○ Full Moon 1110 hrs.; largest
 of 2011; @perigee 1200hrs
 20 Su Vernal **Equinox**, 1621 hrs.
 21 Mo Zodiacal Lt, in W, pm, 2 wks
 22 Tu Merc. elong. E.(19°) 1800hrs.
 26 Sa ☾ Last Quarter Moon 0507 hrs.
26 Sa Kartchner Caverns Star Night

April 2011

HIGHLIGHT: Saturn at opposition

**01 Fr Member Star Party @ RGO
 Messier Marathon night**
 03 Su ● New Moon 0732 hrs.
 03 Su **Saturn** @ opposition,1700hrs.
 magnitude +0.4, disk size 19"
07 Th Public Astronomy Night-PO
 11 Mo ☽ First Quarter Moon 0505 hrs
15 Fr HAC Meeting 1900 hrs.
 17 Su ○ Full Moon 2043 hrs.
 22 Fr Lyrid Meteors Pk (77% moon)
 24 Su ☾ Last Quarter Moon 1947 hrs.

May 2011

HIGHLIGHTS: Int'l Astronomy Day!

+Morning Planets grand show
 02 Mo ● New Moon 2351 hrs.
 06 Fr η-Aquarid meteors Pk, 0500hrs.
 favorable year for shower
**07 Sa Public/Member Astronomy
 Day/Night—PO; 3-11 pm**
 10 Tu ☽ First Quarter Moon 1333 hrs.
 11 We Venus just S. of Jupiter, am
 17 Tu ○ Full Moon 0409 hrs.
20 Fr HAC Meeting 1900 hrs.
 24 Tu ☾ Last Quarter Moon 1152 hrs.

June 2011

HIGHLIGHT: Saturn & double star

01 We ● New Moon 1403 hrs.
03 Fr Member Star Party
 08 We ☽ First Quarter Moon 1911 hrs.
09 Th Public Astronomy Night-PO
 09 Th Saturn 15' (arc min) from
 dbl.star Porrima (Virgo)2100h
 15 We ○ Full Moon 1314 hrs.
17 Fr HAC Meeting 1900 hrs.
Solstice 1016 hrs.
 21 Tu ☾ Last Quarter Moon 0448 hrs.
 27 Mo Pluto at opposition, 1800 hrs.

July 2011

HIGHLIGHT: S. δ Aquarids meteors

Note: Club observing sessions not
 scheduled during Monsoon months
 01 Fr ● New Moon 0154 hrs.
 07 Th ☽ First Quarter Moon 2329 hrs.
 14 Th ○ Full Moon 2340 hrs.
15 Fr HAC Meeting 1900 hrs.
 19 Tu Merc. greatest elong. E.(27°)
 (evening visibility)
 22 Fr ☾ Last Quarter Moon 2202 hrs.
 29 Fr **S. delta-Aquarids Pk** 0600h.
 30 Sa ● New Moon 1140 hrs.

August 2011

HIGHLIGHT:Naked Eye Asteroid (MP)

Note: Club observing sessions not
 scheduled during Monsoon months
 05 Fr **(4) Vesta at opposition**; mag-
 nitude 5.6; 0300h.; Capricornus
 06 Sa ☽ First Quarter Moon 0408 hrs.
12 Fr HAC Meeting 1900 hrs.
 13 Sa Perseid Meteors (major Moon)
 13 Sa ○ Full Moon 1157 hrs.
 21 Su ☾ Last Quarter Moon 1454 hrs.
 22 Mo Neptune @opposition 1600hr.
 28 Su ● New Moon 2004 hrs.

September 2011

HIGHLIGHT: Mercury in the morning

01Th α Aurigid Meteors Pk 0430h.
02 Fr Merc. greatest elong.W.(18°)
 04 Su ☽ First Quarter Moon 1039 hrs.
09 Fr HAC Meeting 1900 hrs.
 12 Mo ○ Full Moon 0227 hrs.
 20 Tu ☾ Last Quarter Moon 0639 hrs.
 23 Fr Autumn Equinox 0206 hrs.
24 Sa Kartchner Caverns Star Night
 25 Su Zodiacal Lt, East, am, 2 wks
 27 Tu ● New Moon 0409 hrs
30 Fr Member Star Party/Picnic

October 2011

HIGHLIGHT: Jupiter at opposition

01 Sa Astronomy Day (Fall)/DUTS
 03 Mo ☽ First Quarter Moon 2015 hrs.
 08 Sa **Draconid** meteors; MS 0300h
 11 Tu ○ Full Moon 1906hrs.(smallest)
14 Fr HAC Meeting 1900 hrs.
 19 We ☾ Last Quarter Moon 2030hrs.
 21 Fr Orionid meteors;(45% Moon)
 24 Mo Zodiacal Light, East, am,2 wks.
 26 We ● New Moon 1256hrs
 28 Fr **Jupiter@ opposition**,1900hr
28 Fr Member Star Party

November 2011

HIGHLIGHT: Meteor Showers**

01 Tu Venus/Mercury 2°apart, 1800h.
 02 We ☽ First Quarter Moon 0938 hrs.
 05 Sa Taurid meteors; MS 0200h.
 10 Th Mars 1.4°N. of Regulus,0300h
 10 Th ○ Full Moon 1316 hrs.
11 Fr HAC Meeting / Election
 18 Fr Leonid meteors— 60% Moon
 18 Fr ☾ Last Quarter Moon 0809 hrs
18 Fr Member Star Party
 24 Th ● New Moon 2310 hrs.

December 2011

HIGHLIGHT: Lunar Eclipse on 12/10

02 Fr ☽ First Quarter Moon 0252 hrs.
03 Sa Member Star/Xmas Party
09 Fr HAC Meeting 1900 hrs.
 10 Sa ○ Full Moon 0736 hrs.
 LunarEclipse;visible from ≈0433h
 until MoonSet at ≈0711hrs.
 14 We Geminid meteors; 84% Moon
 17 Sa ☾ Last Quarter Moon 1748 hrs.
 21 We Solstice 2230 hrs.
 23 Fr **Ursid meteors**; favorable**
 24 Sa ● New Moon 1106 hrs.

*Times/ Dates=Mountain Standard Time, NO DST (UT-7hrs); **updates/more details @:** www.hacastronomy.com; Ver2011.2
Abbr: Tr=transit; Pk=Peak; Merc=Mercury; E=East W=West; S=South; N=North; J=Jupiter; V=Venus; " =arc seconds;
 Elong=elongation; hrs., h.=hours (24 hour system); MP=Minor Planet; MS=Moon Set; wks=weeks; Lt=Light; pm=evening
 PO=Patterson Observatory; **meteor shower dates reflect predicted Peak Morning, but Moon may still be present; am=morning
 DUTS: Dine Under The Stars; **bold text**=possibly a promising/worthy event or activity; complier: Doug Snyder (HAC)