

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

<p>January 2011 HIGHLIGHT: Quadrantid Meteors 01 Sa New Year's Day 04 Tu Quadrantid Meteors Peak—view morning of the 4th** 04 Tu ● <u>New Moon</u> 0203 hrs. 06 Th Public Astronomy Night—Patterson Observatory 07 Fr Member Star Party @DOW 09 Su Dbl. 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.</p>	<p>February 2011 HIGHLIGHT: Zodiacal Light in West 02 We ● <u>New Moon</u> 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.</p>	<p>March 2011 HIGHLIGHT: Mercury at dusk 04 Fr ● <u>New Moon</u> 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</p>
<p>April 2011 HIGHLIGHT: Saturn at opposition 01 Fr Member Star Party @ RGO Messier Marathon night 03 Su ● <u>New Moon</u> 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.</p>	<p>May 2011 HIGHLIGHTS: Int'l Astronomy Day! +Morning Planets grand show 02 Mo ● <u>New Moon</u> 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.</p>	<p>June 2011 HIGHLIGHT: Saturn & double star 01 We ● <u>New Moon</u> 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. 21 Tu Solstice 1016 hrs. 23 Th ☾ Last Quarter Moon 0448 hrs. 27 Mo Pluto at opposition, 1800 hrs.</p>
<p>July 2011 HIGHLIGHT: S. δ Aquarids meteors Note: Club observing sessions not scheduled during Monsoon months 01 Fr ● <u>New Moon</u> 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 ● <u>New Moon</u> 1140 hrs.</p>	<p>August 2011 HIGHLIGHT:Naked Eye Asteroid (MP) Note: Club observing sessions not scheduled during Monsoon months 05 Fr (4) Vesta at opposition; magnitude 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 ● <u>New Moon</u> 2004 hrs.</p>	<p>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 ● <u>New Moon</u> 0409 hrs 30 Fr Member Star Party/Picnic</p>
<p>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 ● <u>New Moon</u> 1256hrs 28 Fr Jupiter@ opposition,1900hr 28 Fr Member Star Party</p>	<p>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 ● <u>New Moon</u> 2310 hrs.</p>	<p>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 ● <u>New Moon</u> 1106 hrs.</p>

*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)