

IYA 2009—An Astronomy Sky Calendar—IYA2009

Regional Phenomena Calendar for Time Zone UT (Universal Time)*

<p>CELEBRATE IYA2009 ALL YEAR!</p> <p>January '09 HIGHLITE: Quadrantid Meteors 01 Th New Year's Day 03 Sat Quadrantid Meteors Pk at 1300 UT; very favorable outlook 04 Su , First Quarter Moon 1156 hrs. Merc. greatest elong E.(19°) 1400hrs. Note: when East., =evening planet; When W., =morning planet 11 Su • Full Moon 0327 hrs. (largest of 2009) 14 We Venus greatest elong.E (47°)2100hrs 18 Su f Last Quarter Moon 0246 hrs. 26 Mo ~ New Moon 0755 hrs. Annular Solar Eclipse (not visible in time zone 0 UT).</p>	<p>February '09 HIGHLITE: Comet C/2007 N3 02 Mo , First Quarter Moon 2313 hrs 09 Mo • Full Moon 1449 hrs Penumbral Lunar Eclipse (not visible in T.Z. 0 UT) 12 Th Zodiacal Light in W. next 2 wks after evening twilight 13 Fr Merc. greatest elong. W. (26°) 16 Mo f Last Quarter Moon 2137 hrs. 19 Th Venus at mag. -4.8! in W. 25 We ~ New Moon 0135 hrs Comet C/2007 N3 (Lulin) at mag. 6 in Virgo. 25 We Ceres at opposition; at mag. 6.9 in Leo; closest since 1857</p>	<p>March '09 HIGHLITE: SATURN PARTICIPATE IN A MESSIER MARATHON 2009! 04 We , First Quarter Moon 0746 hrs 08 Su Saturn at opposition 2000 hrs. size: 19.7", mag. +0.5; rings inclined 2.57° towards Earth 11 We • Full Moon 0238 hrs Dbl.Shadow Tr. J., 0403 hrs. 13 Fr Zodiacal Light in W. next 2 wks after evening twilight 18 We f Last Quarter Moon 1747 hrs. 20 Fr Equinox, 1144 hrs.(Spring begins in N. hemisphere) 26 Th ~ New Moon 1606 hrs 28 Sa Best Messier Marathon opportunity; dusk-to-dawn deep sky viewing</p>
<p>April '09 HIGHLITE: Lyrid Meteors 02 Th , First Quarter Moon 1434 hrs. 9 Th • Full Moon 1456 hrs 12 Su Easter Sunday 15 We Mars 0.5° S. of Uranus, 0400 hrs. 17 Fr f Last Quarter Moon 1336 hrs. 22 We Lyrid Meteors Pk 1000 hrs.; 23 Swift, some very bright with trails; favorable year for this shower. 25 Sa ~ New Moon 0323 hrs 26 Su Merc. greatest elong. E. (20°);0800h. best evening view of 2009.</p>	<p>May '09 HIGHLITE: Astronomy Day 2009 01 Fr , First Quarter Moon 2044 hrs. 02 Sa IYA2009 INT'L ASTRONOMY DAY 2 Venus greatest illumination 1500 hrs.; magnitude -4.7 06 We η-Aquarid Meteors Pk0000 hrs Not favorable—moonlight 09 Sa • Full Moon 0401 hrs. 17 Su f Last Quarter Moon 0726 hrs. 24 Su ~ New Moon 1211 hrs. 31 Su , First Quarter Moon 0322 hrs</p>	<p>June '09 HIGHLITE: The Plutoid Pluto 02 Tu Dbl. Shadow Tr., J.; 0612 hrs. 05 Fr Venus greatest elong.W. (46°) 2100h. 07 Su • Full Moon 1812 hrs. 13 Sa Merc. greatest elong. W.(23°), 1200h. 15 Mo f Last Quarter Moon. 2215 hrs. 21 Su Summer Solstice 0546 hrs.; (Summer begins in N. hemisphere) 22 Mo ~ New Moon, 1935 hrs. 23 Tu Pluto at opposition, 0800 hrs.; in Sagittarius, very dense star field. 28 Su Saturn 7° N. of Moon, 0200 hrs. 29 Mo , First Quarter Moon 1128 hrs.</p>
<p>July '09 HIGHLITE: Summer Milky Way 7 Tu • Full Moon 0921hrs; smallest in '09 Penumbral lunar eclipse; not seen In UT zone. 15 We f Last Quarter Moon 0953 hrs. 22 We ~ New Moon 0235 hrs. Total Solar Eclipse— East Asia; Very long totality at max. (over six minutes);Not visible in UT zone 28 Tu , First Quarter Moon 2200 hrs. 29 We S. d Aquarid Meteors pk 0300h. Favorable after mid-night</p>	<p>August '09 HIGHLITE: Perseid Meteors 05 We Pen. lunar eclipse; starts at 2304h.; ends 0214h. on 8/6. 06 Th • Full Moon 0055 hrs. 12 We Perseids Pk.1800hrs;good Dbl.ShadowTr.,J.; 2112hrs. 13 Th f Last Quarter Moon 1855 hrs 14 Fr Jupiter at opposition; 1800h. 19 We Dbl.ShadowTr.,J. 2347 hrs. 20 Th ~ New Moon 1002 hrs. 27 Th Dbl.Shadow Tr.,J., 0242hrs. 27 Th , First Quarter Moon 1142 hrs</p>	<p>September '09 HIGHLITE: Saturn's ring angle at 0.0° 04 Fr • Full Moon 1603 hrs 12 Sa , Last Quarter Moon 0216 hrs. 16 We Zodiacal Lt. in E. before morning twilight for 2 wks. 17 Th Uranus at opposition, 1000 hrs. 18 Fr ~ New Moon 1844 hrs. 21 Mo Asteroid (3)Juno at opposition, 0800hrs.; in Pisces, mag. 7.6 22 Tu Equinox 2119 hrs. 26 Sa , First Quarter Moon 0450 hrs.</p>
<p>October '09 HIGHLITE: Orionid Meteor shower 04 Su • Full Moon 0610 hrs. 06 Tu Merc. greatest elong.W.(18°),0200h. 08 Th Draconid meteors Pk., 0700h.;poor 11 Su f Last Quarter Moon 0856 hrs. 13 Tu Venus 0.6° S. of Saturn, 1500 hrs. 15 Th Zodiacal Lt. in E. before morning Twilight for 2 wks.(N. latitudes) 18 Su ~ New Moon 0533 hrs. 21 We Orionid Meteors Pk., 1000; very favorable return this year. 26 Mo , First Quarter Moon 0042hrs. 30 Fr Dbl. Shadow Tr. J., 1653 hrs.</p>	<p>November '09 HIGHLITE: Meteor Showers (2) 02 Mo • Full Moon 1914 hrs 05 Th S.Taurids Meteors Pk1000hrs 06 Fr Dbl.ShadowTr.,J. 1859 hrs. 09 Mo f Last Quarter Moon 1556hrs 12 Th N.Taurids Meteors Pk 1000h. 16 Mo ~ New Moon 1914 hrs. 17 Tu Leonid Meteors Pk 1630h.? very favorable 11- 17/18. 21 Sa Alpha Monocerotids Meteors Pk; favorable after midnight 24 Tu , First Quarter Moon 2139 hrs.</p>	<p>December '09 HIGHLITE: Geminid Meteor Shower 02 We • Full Moon 0730 hrs 09 We f Last Quarter Moon 0013hrs 14 Mo Geminid Meteors Pk. 0500 hrs.; 16 We ~ New Moon 1202 hrs. 18 Fr Merc. greatest elong.E.(20°),1700h. 21 Mo Dbl. Shadow Tr., J., 0134 hrs. 21 Mo Solstice 1747hrs. 22 Tu Ursid Meteors Pk.; 1400 hrs. favorable after mid-night. 24 Th , First Quarter Moon 1736 hrs. 31 Th Partial Lunar Eclipse; begins1707 hrs. 31 Th • Full Moon 1913 hrs (Blue Moon)</p>

*Times/ Dates= Universal Time (UT), no DST; updated at www.astronomyyear2009.com; Doug Snyder, AZ sky gazer
Abbr: Tr=transit; Pk=Peak; E.=East; W.=West; S.=South; N=North; Merc.=Mercury; J.=Jupiter; V.=Venus; Sat.=Saturn
elong.=elongation; Pen.= Penumbral; hrs., h.= hours (24 hour system); wks. = weeks; Lt.=Light. Ver.2009UTV1.0