










































The Sky This Month

Oct - Nov 2014

| Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|--|---|--|--|---|--|--|
|  Visible at 1x power.  Best in binoculars.  Cool down the telescope.  Photo op!  Record an occultation. | |  8 full (Blood) Moon comet C/2012 K1 (PAN-STARRS) in Puppis Draconid meteors peak |  9 Orionid meteors to Nov 7 asteroid 3401 occultation PHA 2011 TB4 near earth city observing Jupiter rises 2:30 AM |  10 Draconid meteors end bright ISS flyover DDO family night Saturn sets 8:20 PM Mars sets 9:25 PM |  11 asteroid Alanalda near earth Moon near Pleiades asteroid Aida occultation |  12 50th anniversary Voskhod 1 launch asteroid Jimmypage near earth Moon near Aldebaran (am) |
|  13 Jupiter leaves Cancer Thanksgiving Day |  14 bright Iridium flare Jupiter enters Leo Globe at Night starts ISS spacewalk tomorrow |  15 3rd quarter Moon asteroid deflection workshop Ariel elongation (am) Titania elongation (am) |  16 Great World Wide Star Count starts, to 31st Moon near Beehive Moon near Jupiter (am) PHA 2014 TV near earth |  17 Great World Wide Star Count starts, to 31st Moon near Beehive Moon near Jupiter (am) PHA 2014 TV near earth |  18 CAO fall work party DDO star talk solar observing (am) Dragon departs ISS epsilon-Geminid meteors peak |  19 comet C/2013 A1 Siding Spring proximal to Mars |
|  20 dark sky observing Mars leaves Ophiuchus Orbital launch to ISS zodiacal light starts, runs for 2 weeks (am) |  21 dark sky observing Mars enters Sagittarius Orionid meteors peak |  22 dark sky observing |  23 dark sky observing new Moon CAO Probus star party Oberon elongation partial solar eclipse |  24 Ariel & Titania elongation bright ISS flyover DDO family night PHA 2014 SC324 near earth |  25 Chang'e 5 launch to Moon DDO star talk Jasper Dark Sky Festival Moon very near Saturn |  26 Mars within 1° of Lagoon Moon near Vesta Jupiter rises 1:30 AM |
|  27 Mars within 1° of Lagoon Moon near Mars |  28 Mars within 1° of Lagoon bright Iridium flare ISS evening flyovers end Mars near NGC 6654 |  29 Progress launch to ISS speakers night War of the Worlds anniversary |  30 1st quarter Moon 2nd 1st quarter Moon in month OSC Hallowe'en star party |  31 Halloween Great World Wide Star Count ends |  1 solar observing (am) DDO family night Mercury at greatest separation (am) Moon near Neptune |  2 asteroid Madhatter near earth Daylight Saving Time ends |
|  3 Mercury near Spica city observing TPL talk, Toronto's Astronomical Heritage Jupiter rises at midnight |  4 asteroid MIT near earth Moon very near Uranus city observing Mississauga Centre star party |  5 city observing south Taurids meteors peak |  6 full Moon Mars near M22 city observing First Light starts |  7 asteroid Haiku near earth |  8 Ariel elongation Moon near Aldebaran Triton elongation |  9 Carl Sagan's birthday |
|  10 Remembrance Day ESA Rosetta touch-down on comet 67P north Taurids peak |  11 anniversary Voyager Saturn fly-by (1980) Canadarm carried to space (1981) recreational meeting |  12 See pgs 116-119 of 2014 RASC Observer's Handbook for more astro event info. All events in evening unless otherwise noted with (am). † Dark Sky, City Observing Sessions are run on first clear night during week. TPL = Toronto Public Library - offering a number of science and astronomy talks. ISS = International Space Station. See http://heavens-above.com/ for flyover information. | | | | |