

# The Sky This Month

Oct-Nov 2013

Mon	Tue	Wed	Thu	Fri	Sat	Sun	
Visible at 1x power. Best in binoculars. Get the 'scope. Photo op! Record occultation.		<b>16</b> Saturn <18° from Sun Venus near very Antares Voyager 1 is 125 AU out Mars near Regulus (am) Orionid meteor shower continues to Nov 7	<b>17</b> asteroid (13681) Monty Python close to Earth comet 2P/Encke close to Earth (am) dual shadows on Jupiter Moon near Uranus	<b>18</b> comet C/2012 S1 (ISON) very near Mars (am) full Moon (plus pen-umbral lunar eclipse) Family Night DDO Encke brightens mag 9	<b>19</b> fall work party CAO dual shadows on Jupiter ISON close to Mars for next week (am) Family Night DDO	<b>20</b> (17058) Rocknroll close to Earth Jupiter missing 3 moons	
<b>21</b> ISON might be visible in binoculars (am) Mercury stationary Orionid meteor shower peak (Moon bright)	<b>22</b> Encke enters Leo (am) Moon near Aldebaran Uranus begins to dim (from magnitude 5.7; from Oct 3 opposition)	<b>23</b> 2P/Encke near Zosma (am) Venus very near M19 RASC fall NOVA course concludes	<b>24</b> <i>The International Space Station (ISS) flies over GTA in early evening from Oct 16 to 29.</i>	<b>25</b> Moon near Jupiter comet C/2013 R1 (Lovejoy) near Procyon (am) Mangalyaan PSLV-C25 launch to Mars	<b>26</b> Dark Sky Festival, Jasper 3rd quarter Moon 2P/Encke to mag 8 (am) Family Night DDO Amalthea elongation (am) dual shadows on Jupiter	<b>27</b> Encke near Denebola ISON may be mag 8 (am) Jupiter near Eskimo Neb. Moon near Beehive Venus to mag -4	
<b>28</b> ESA ATV supply craft undocking from ISS comet 154P/Brewington near Sadalmelik Moon near Regulus Triton elongation	<b>29</b> (1626) Sadeya occults mag 12.8 star (am) Moon near Mars	<b>30</b> Encke enters Vir (am) RASC lecture night anniversary of Orsen Welles's radio drama Wars of the Worlds	<b>31</b> (20) Massalia opposition Lovejoy enters Cnc (am) Mars near M95 and M96 Venus near M6 Triton, Oberon elong's All Hallows's Eve	<b>1</b> Lovejoy to mag 7 (am) Mars mag 1.7 Olympic torch to visit ISS (early Nov) Venus elongation Titania elongation	<b>2</b> Moon near Spica (am) very old Moon (am) dual shadows on Jupiter solar observing Ontario Science Centre	<b>3</b> (2843) Yeti close to Earth new Moon Daylight Saving Time ends (fall back, yeh!)	
<b>4</b> Encke near delta Vir (am) ISON may reach mag 7 CubeSat launch Islamic New Year Jupiter to mag -2 RASC dark sky observing †	<b>5</b> (88) Thisbe occults mag 12.2 star south Taurids meteor shower peak Venus near M8 RASC dark sky observing †	<b>6</b> (758) Mancunia occults mag 14.4 star (am) ISON enters Vir (am) Moon near Venus (east of Sun) RASC dark sky observing †	<b>7</b> 154P/Brewington enters Peg Lovejoy near Beehive Jupiter stationary more ISS crew arrive RASC dark sky observing †	<b>8</b> (205) Martha occults mag 13.6 star (am) Jupiter begins retrograde movement	<b>9</b> Carl Sagan's birthday Encke to mag 7 (am) Olympic torch to go on spacewalk	<b>10</b> 1st quarter Moon ISON to mag 6 (am) Lovejoy to mag 6 (am) Venus near M28 three crew departing ISS tomorrow	
<b>11</b> ISON may be visible naked eye (am) Lunar Straight Wall north Taurids met. peak RASC city observing † Remembrance Day	<b>12</b> anniversary Canadarm to space (1981) Neptune ends retrograde motion RASC city observing † dual shadows on Jupiter	<b>13</b> Moon near Uranus Neptune stationary Amalthea elongation RASC rec. astro. meeting	See pgs 116-119 of 2013 RASC <i>Observer's Handbook</i> for more info.  All events in evening unless otherwise noted with (am). † Dark Sky, City Observing Sessions run on first clear night during week . See <a href="http://aerith.net">http://aerith.net</a> and <a href="http://cometchasing.skyhound.com">http://cometchasing.skyhound.com</a> for comet info.				