



# September - October 2025

**Jupiter's Red Spot Transit Time (visible ~ 1 hour before and after)**  
**I=Io II=Europa III=Ganymede IV=Callisto Ec=Eclipse Tr=Transit Sh=Shadow Transit**  
**Oc=Occultation I=Ingress E=Egress D=Disappearance R=Reappearance (Double Tr or Sh)**



| Sun                                                                         | Mon                                                                                              | Tue                                                       | Wed                                                                                 | Thu                                                                                | Fri                                                                                   | Sat                                                                                                      |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Sept 7<br><b>Full Moon</b><br><b>SNAS 20:00</b>                             | Sept 8<br><i>Moon near Saturn and Neptune</i>                                                    | Sept 9<br><b>WBJAC meet 19:00</b>                         | Sept 10                                                                             | Sept 11<br><i>Jupiter rises 01:46<br/>Venus rises 04:24<br/>Saturn rises 20:09</i> | Sept 12<br><b>Kouchibouguac SP</b><br><i>Moon rises near Pleiades 22:00</i>           | Sept 13<br><b>Kouchibouguac SP</b><br><i>Mercury sup. conj.<br/>Sunrise 7:00 set 19:38</i>               |
| Sept 14<br><i>Third Quarter Moon</i><br><b>SNAS 20:00</b>                   | Sept 15<br><b>RASC Zoom 19:00</b><br>(tentative)                                                 | Sept 16<br><i>Moon near Jupiter</i>                       | Sept 17                                                                             | Sept 18                                                                            | Sept 19<br><i>Zodiacal light 2 wks<br/>Moon-Venus-Regulus 05:00</i>                   | Sept 20<br><b>Titan &amp; shadow 02:09 (Mid 03:20)</b><br><i>Sunrise 7:09 set 19:25</i>                  |
| Sept 21<br><i>Saturn opposition</i><br><b>New Moon</b><br><b>SNAS 20:00</b> | Sept 22<br><b>Equinox 15:19</b><br><i>Algol minimum 24:01</i>                                    | Sept 23<br><i>Neptune opposition<br/>Moon below Spica</i> | Sept 24<br><i>Moon-Mars-Spica Δ</i>                                                 | Sept 25<br><i>2 Pallas stationary<br/>Algol min 20:47</i>                          | Sept 26<br><i>Venus rises 05:02<br/>Saturn transits 24:56<br/>Jupiter rises 24:56</i> | Sept 27<br><i>Moon near Antares</i><br><i>Sunrise 7:17 set 19:11</i>                                     |
| Sept 28<br><b>SNAS 20:00</b>                                                | Sept 29<br><b>First Quarter Moon</b>                                                             | Sept 30<br><b>Lunar Straight Wall</b>                     | Oct 1                                                                               | Oct 2<br><i>Ceres opposition</i>                                                   | Oct 3                                                                                 | Oct 4<br><b>SJAC 19:00</b><br><b>I ShI 03:49</b><br><b>II ShE 05:17</b><br><i>Sunrise 7:26 set 18:58</i> |
| Oct 5<br><i>Moon above Saturn</i><br><b>SNAS 20:00</b>                      | Oct 6<br><b>Titan shadow 02:32 at mid-transit</b><br><b>Full Moon 24:48</b>                      | Oct 7                                                     | Oct 8<br><i>Venus rises 05:33<br/>Saturn transits 24:06<br/>Jupiter rises 24:14</i> | Oct 9<br><i>Moon near Pleiades</i>                                                 | Oct 10                                                                                | Oct 11<br><b>II ShI 05:05</b><br><b>I ShI 05:42</b><br><i>Sunrise 7:35 set 18:45</i>                     |
| Oct 12<br><b>SNAS 20:00</b>                                                 | Oct 13 <b>III ShE 02:29</b><br><b>I Sh 00:11-02:24</b><br><i>Q3 Moonrise near Jupiter ~24:00</i> | Oct 14<br><b>WBJAC meet 19:00</b><br><b>I OcR 00:58</b>   | Oct 15<br><i>Algol minimum 22:30</i>                                                | Oct 16<br><b>Moon graze/occult Regulus ~16:00 near setting</b>                     | Oct 17<br><i>Mercury 3° below Mars</i>                                                | Oct 18<br><b>RASC NB AM</b><br><i>Algol minimum 19:19<br/>Sunrise 7:44 set 18:33</i>                     |

All times are Atlantic Time Zone (AST or ADT). Sunrise / Sunset times are for Saint John, NB.