



# September - October 2023

**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 3 <i>Venus stationary</i>	Sept 4 <i>Moon near Jupiter</i> <i>Jupiter stationary</i> <b>I EcD 23:36</b>	Sept 5 <i>Moon near Uranus</i>	Sept 6 <i>Mercury inf. conj.</i> Third Quarter Moon <b>Red Spot 23:37</b>	Sept 7	Sept 8 <b>Fundy Star Party</b> <b>Red Spot 24:59</b>	Sept 9 <b>Fundy Star Party</b> <b>II Oc 22:02-24:16</b> <i>Sunrise 6:55 set 19:47</i>
Sept 10 <i>Moon below Pollux</i> <i>and above Venus</i> <b>III OcR 22:49</b>	Sept 11 <b>Red Spot 22:34</b>	Sept 12 <b>WBJAC 19:00</b> <b>RASCNB 19:00</b> <b>I Sh 22:39-24:48</b> <b>I TrI 23:47</b>	Sept 13 <b>I OcR 23:15</b> <i>Mars sets 20:20</i> <i>Jupiter rises 21:43</i> <i>Saturn transits 24:14</i>	Sept 14 <b>New Moon</b> <i>Venus rises 04:05</i> <i>Mercury rises 06:00</i> <i>Mercury stationary</i>	Sept 15 <i>Zodiacal light in a.m.</i> <i>next 2 weeks</i>	Sept 16 <b>RASCNB Biz</b> <b>17 hour Moon occults</b> <b>Mars 16:40 (graze?)</b> <i>Sunrise 7:03 set 19:33</i>
Sept 17 <b>III EcR 22:34</b>	Sept 18 <b>Red Spot 23:20</b>	Sept 19 <b>I ShI 24:33</b> <i>Venus brightest</i> <i>Neptune opposition</i> <i>Algol minimum 23:01</i>	Sept 20 <b>I EcD 21:53</b> <b>Red Spot 24:58</b> <b>I OcR 24:59</b>	Sept 21 <b>I TrE 22:09</b>	Sept 22 <b>INP observe</b> <i>Mercury elongation</i> <b>First Quarter Moon</b> <b>Kouch Fall Fest</b>	Sept 23 <b>INP back-up</b> <b>Equinox 03:50</b> <b>Kouch Fall Fest</b> <i>Sunrise 7:12 set 19:20</i>
Sept 24 <b>III EcD 24:44</b>	Sept 25 <b>II Tr 21:53-24:04</b> <b>II ShE 22:18</b> <b>Red Spot 24:05</b>	Sept 26 <i>Moon near Saturn</i> <i>Venus rises 03:44</i> <i>Mercury rises 05:47</i>	Sept 27 <b>I EcD 23:48</b> <i>Mars sets 19:44</i> <i>Jupiter rises 20:46</i> <i>Saturn transits 23:16</i>	Sept 28 <b>R Spot 21:34</b> <i>Moon near Neptune</i> <b>I Tr 21:47-23:55</b> <b>I ShE 23:05</b>	Sept 29 Full Moon <b>I OcR 21:15</b>	Sept 30 <b>Red Spot 23:15</b> <i>Sunrise 7:20 set 19:06</i>
Oct 1 <i>4 Pallas conjunction</i> <i>Moon near Jupiter</i>	Oct 2 <b>II ShI 22:35-24:54</b> <b>II TrI 24:11</b> <b>Red Spot 24:53</b>	Oct 3 <i>Moon near Pleiades</i> <b>Red Spot 20:44</b>	Oct 4 <b>II OcR 20:29</b>	Oct 5 <b>III ShE 20:41</b> <b>III Tr 22:19-23:03</b> <b>I Sh 22:50-24:59</b> <b>I TrI 23:33</b>	Oct 6 Third Quarter Moon <i>near Pollux</i> <b>I OcR 23:00</b>	Oct 7 <b>SJAC meeting 19:00</b> <b>Red Spot 24:00</b> <i>Sunrise 7:29 set 18:53</i>
Oct 8 <b>Red Spot 19:51</b>	Oct 9 <i>Algol minimum 24:42</i>	Oct 10 <b>R Spot 21:29</b> <i>Venus rises 03:41</i> <i>near Moon &amp; Regulus</i> <b>WBJAC meet 19:00</b>	Oct 11 <b>II OcR 22:46</b> <i>Mars sets 19:09</i> <i>Jupiter rises 19:48</i> <i>Saturn transits 22:18</i>	Oct 12 <i>Algol 21:30</i> <b>III Sh 22:56-24:41</b> <b>I ShI 24:44</b> <b>Red Spot 23:07</b>	Oct 13 <b>I EcD 22:04</b> <i>Zodiacal light in a.m.</i> <i>next 2 weeks</i> <b>I OcR 24:44</b>	Oct 14 <b>New Moon</b> <b>Partial eclipse at INP</b> <b>13:33 - 15:25</b> <i>Sunrise 7:38 set 18:41</i>

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