



September - October 2021



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

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Sep 5 I EcR 20:40 III TrI 21:59 II TrE 22:00 II ShE 22:52	Sep 6 New Moon Morning zodiacal light next 2 weeks	Sep 7 Red Spot 23:03	Sep 8 <i>Venus set 21:09</i> <i>Mercury sets 20:30</i> <i>Saturn transits 22:51</i> <i>Jupiter transits 23:59</i>	Sep 9 <i>Moon near Venus</i> Red Spot 24:41	Sep 10 <i>2 Pallas opposition</i> Red Spot 20:32	Sep 11 I Tr 22:30-24:48 I ShI 23:05 <i>Sunrise 6:58 set 19:42</i>
Sep 12 I OcD 19:41 II Tr 21:26-24:15 I EcR 22:34 II ShI 22:37	Sep 13 I ShE 19:52 First Quarter Moon <i>Mercury elongation</i> WBJAC meet 19:00	Sep 14 R Spot 23:48 Lunar Straight Wall <i>Neptune opposition</i> II EcR 20:20	Sep 15 <i>Moon near Saturn</i> Red Spot 19:40 <i>Algol minimum 22:40</i>	Sep 16 <i>Moon below Saturn</i> III EcR 21:23	Sep 17 <i>Moon below Jupiter</i> Red Spot 21:18 IV Sh 19:41-24:13	Sep 18 I TrI 24:16 RASCNB meet 13:00 <i>Algol minimum 19:29</i> <i>Sunrise 7:06 set 19:28</i>
Sep 19 R Spot 22:56 I OcD 21:27 II TrI 23:43 I EcR 24:29	Sep 20 <i>Full Moon</i> I Sh 19:29-21:47 I TrE 20:01	Sep 21 II EcR 22:58 Red Spot 24:34	Sep 22 Equinox 16:21 Red Spot 20:26	Sep 23 <i>Venus ↓ 20:46</i> <i>Saturn transits 21:49</i> <i>Jupiter transits 22:54</i> <i>Mercury near Spica</i>	Sep 24 Red Spot 22:04	Sep 25 IV OcD 21:45 <i>Sunrise 7:15 set 19:15</i>
Sep 26 I OcD 23:14 Red Spot 23:42	Sep 27 R Spot 19:34 <i>Mercury stationary</i> I Tr 20:30-22:48 I Sh 21:25-23:42	Sep 28 <i>Third Quarter Moon</i> II OcD 20:50 I EcR 20:53	Sep 29 Red Spot 21:12	Sep 30 II ShE 19:55 III OcD 21:55	Oct 1 Red Spot 22:54 <i>Maria Mitchell's comet 1847</i>	Oct 2 SJAC meeting 19:00 Red Spot 18:45 <i>Sunrise 7:23 set 19:02</i>
Oct 3 Red Spot 24:32	Oct 4 Red Spot 20:24 I Tr 22:19-24:36 I ShI 23:20	Oct 5 I OcD 19:29 I EcR 22:48 <i>Morning zodiacal light next 2 weeks</i>	Oct 6 R Spot 22:02 New Moon I TrE 19:04 I ShE 20:06	Oct 7 <i>Venus ↓ 20:30</i> <i>Jupiter transits 21:56</i> II Sh 19:42-22:30 II TrE 20:24	Oct 8 R Spot 23:41 <i>Mars in conjunction</i> <i>Ceres stationary</i> <i>Algol minimum 21:12</i>	Oct 9 R Spot 19:32 <i>Mercury inf. conj.</i> <i>Moon near Venus</i> <i>Sunrise 7:32 set 18:49</i>
Oct 10 <i>Saturn stationary</i> <i>Lassell discovered</i> <i>Triton 1846</i>	Oct 11 Red Spot 21:11 III Sh 19:54-23:29 I TrI 24:09	Oct 12 I OcD 21:18 IV EcD 24:11 I EcD 24:43 Q1 Moon 24:25	Oct 13 R Spot 22:49 <i>Moon below Saturn</i> I Sh 19:45-22:02 I TrE 20:53	Oct 14 I EcR 19:12 II Tr 20:00-22:49 II ShI 22:18 <i>Jupiter-Moon-Saturn</i>	Oct 15 Red Spot 24:28	Oct 16 II EcR 20:11 RASC NB AM <i>Venus above Antares</i> <i>Sunrise 7:41 set 18:36</i>

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