



August - September 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
Aug 8 New Moon III Ec II 24:37-01:45	Aug 9 Red Spot 24:09	Aug 10 <i>Moon 7° R of Venus</i> <i>Messier discovers M110 in 1773</i>	Aug 11 II ShI 23:00 II TrI 23:24 I EcD 23:42	Aug 12 R Spot 21:38 Perseids peak I ShE 23:14 I TrE 23:24	Aug 13 <i>Jupiter↑ 20:47</i> <i>Mars sets 21:19</i> <i>Venus sets 21:54</i> <i>Saturn transits 24:35</i>	Aug 14 Red Spot 23:16 <i>Sunrise 6:24 set 20:32</i>
Aug 15 First Quarter Moon	Aug 16 Lunar Straight Wall Red Spot 24:54	Aug 17 Red Spot 20:46	Aug 18 <i>Mercury 0.2° lower R of Mars</i>	Aug 19 R Spot 22:23 <i>Jupiter opposition</i> I ShI 22:50 I TrI 22:50	Aug 20 I EcR 22:22 II EcR 23:07 <i>Uranus stationary</i> <i>Moon below Saturn</i>	Aug 21 <i>Moon below Jupiter</i> Red Spot 24:01 <i>Sunrise 6:32 set 20:20</i>
Aug 22 Full Moon	Aug 23 IV EcR 22:07 <i>Algol minimum 24:08</i>	Aug 24 Red Spot 21:30	Aug 25 <i>Venus↓ 21:34</i> <i>Mercury sets 20:56</i> <i>Saturn transits 23:49</i> <i>Jupiter transits 24:59</i>	Aug 26 R Spot 23:08 I TrI 24:34 I ShI 24:45 <i>Algol min 20:57</i>	Aug 27 I OcD 21:47 II OcD 22:26 I EcR 24:17	Aug 28 R Spot 24:46 I TrE 21:18 I ShE 21:32 <i>Sunrise 6:41 set 20:08</i>
Aug 29 Red Spot 20:38 III TrE 22:17 III ShE 23:21	Aug 30 <i>Third Quarter Moon</i>	Aug 31 Red Spot 22:17 IV TrI 22:31	Sep 1	Sep 2 Red Spot 23:55	Sep 3 I OcD 23:31 II OcD 24:42	Sep 4 SJAC 19:00 I Tr 20:45-23:03 I Sh 21:09-23:28 <i>Sunrise 6:49 set 19:55</i>
Sep 5 I EcR 20:40 III TrI 21:59 II TrE 22:00 II ShE 22:52	Sep 6 New Moon <i>Morning zodiacal light next 2 weeks</i>	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>

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