



January - February 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
Jan 8 <i>Pallas opposition</i> Red Spot 17:00 I OcD 22:41	Jan 9 R Spot 22:48 III Oc 17:16-20:13 I Tr 20:02-22:16 I Sh I 21:20	Jan 10 WBJAC 19:00 Red Spot 18:39 I EcR 20:41	Jan 11 I ShE 18:00 C/2022 E3 ZTF perihelion tomorrow	Jan 12 R Spot 20:19 <i>Mars stationary</i> II Tr 18:00-20:32 II Sh 20:34-23:00	Jan 13 <i>Saturn sets 19:37</i> <i>Mars transits 21:13</i> <i>Jupiter sets 23:05</i>	Jan 14 R Spot 21:58 <i>Third Quarter Moon</i> II EcR 18:09 <i>Sunrise 8:00 set 17:06</i>
Jan 15 Red Spot 17:49	Jan 16 III Oc 21:30 I Tr 22:01	Jan 17 I OcD 19:09 Red Spot 19:28 I EcR 22:37	Jan 18 <i>Mercury stationary</i> I Sh 17:45-19:56 I TrE 18:44	Jan 19 II TrI 20:43 Red Spot 21:08	Jan 20 <i>Jupiter at perihelion</i> III ShE 19:26	Jan 21 New Moon at perigee II EcR 20:47 <i>Sunrise 7:55 set 17:15</i>
Jan 22 R Spot 18:38 <i>Venus near Saturn,</i> <i>Moon to the right</i> <i>Uranus stationary</i>	Jan 23 C/2022 E3 ZTF near Iota Draconis	Jan 24 Red Spot 20:18 I OcD 21:09 <i>Algol minimum 22:08</i>	Jan 25 <i>Moon below Jupiter</i> I Tr 18:31-20:44 I Sh19:41-21:52	Jan 26 I EcR 19:01 <i>Venus sets 19:16</i> <i>Mars transits 20:27</i> <i>Jupiter sets 22:25</i>	Jan 27 R Spot 17:49 III TrE 19:04 III ShI 21:01 <i>Algol minimum 18:57</i>	Jan 28 II OcD 18:37 First Quarter Moon <i>nearing Uranus</i> <i>Sunrise 7:49 set 17:25</i>
Jan 29 Red Spot 19:28 Lunar X 22:00	Jan 30 Lunar Straight Wall <i>Mercury elongation</i> <i>Moon below Mars</i>	Jan 31 Red Spot 21:12	Feb 1 I TrI 20:31 I ShI 21:36	Feb 2 C/2022 E3 ZTF nearest Earth I EcR 20:57	Feb 3 R Spot 18:43 <i>Moon near Pollux</i> I ShE 18:17 III TrI 20:33	Feb 4 SJAC meeting 19:00 II OcD 21:24 <i>Sunrise 7:41 set 17:35</i>
Feb 5 <i>Puny Full Moon</i> Red Spot 20:22	Feb 6 II TrE 18:10 C/2022 E3 ZTF near Capella II Sh 17:44-20:09	Feb 7 <i>Zodiacal light in west</i> <i>next 2 weeks</i>	Feb 8 <i>Ceres stationary</i> Red Spot 17:53	Feb 9 I OcD 19:40 <i>Mars transits 19:46</i> <i>Venus sets 19:54</i> <i>Jupiter sets 21:44</i>	Feb 10 I Sh 18:01-20:12 I TrE 19:15 Red Spot 19:32	Feb 11 <i>Sunrise 7:31 set 17:45</i>
Feb 12 <i>Pallas stationary</i> <i>Third Quarter Moon</i>	Feb 13 II Tr 18:26-20:58 II ShI 20:21 <i>Algol 23:51</i>	Feb 14 WBJAC 19:00 III OcR 17:50 III EcD 18:54	Feb 15 R Spot 18:42 <i>Venus - Neptune</i> C/2020 V2 ZTF near Almach	Feb 16 <i>Saturn conjunction</i> <i>Algol min 20:39</i>	Feb 17 I TrI 19:03 I ShI 19:56 Red Spot 20:22	Feb 18 <i>Moon near Mercury</i> I EcR 19:17 <i>Sunrise 7:21 set 17:55</i>

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