



# October - November 2020

**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
Sept 27 <b>Red Spot 21:32</b> <b>II EcR 23:41</b>	Sept 28 <i>Saturn stationary</i>	Sept 29 <b>R Spot 23:11</b>	Sept 30 <b>Red Spot 19:03</b> <b>I OcD 21:27</b> <b>IV ShI 22:04</b>	Oct 1 <b>I TrE 21:05</b> <i>Mercury E elongation</i> Full Harvest Moon <b>I Sh 20:07-22:23</b>	Oct 2 <b>R Spot 20:45</b> <i>Venus above Regulus</i> <i>Moon below Mars</i> <b>I EcR 19:32</b>	Oct 3 <b>III TrI 22:18</b> <i>Venus below Regulus</i> Algol minimum 23:51 Sunrise 7:25 set 18:59
Oct 4 <b>R Spot 22:24</b> <i>Moon 3° south of</i> <i>Uranus 06:00</i> <b>II OcD 20:49</b>	Oct 5 <i>Mars rises 19:28</i> <i>Jupiter transits 19:42</i> <i>Saturn transits 20:12</i>	Oct 6 <b>Mars nearest Earth</b> Algol minimum 20:40 <b>II ShE 20:25</b>	Oct 7 <b>R Spot 19:54</b> <b>III EcR 21:06</b> <b>I OcD 23:22</b> <b>Draconids peak</b>	Oct 8 <b>I Tr 20:44-23:00</b> <b>I ShI 22:02</b> <i>Moon near M35</i>	Oct 9 Third Quarter Moon <b>I EcR 21:27</b> <b>Red Spot 21:33</b>	Oct 10  Sunrise 7:34 set 18:46
Oct 11 <b>Red Spot 23:12</b> <b>II OcD 23:25</b>	Oct 12 <b>Red Spot 19:03</b>	Oct 13 <b>Mars at opposition</b> <b>II Sh 20:12-23:02</b> <b>II TrE 20:23</b>	Oct 14 <b>R Spot 20:42</b> <i>Mercury stationary</i> <i>Moon near Venus</i> <b>III EcD 21:37</b>	Oct 15 <b>I TrI 22:40</b> <i>Zodiacal light next 2</i> <i>weeks in morning</i>	Oct 16 <b>I OcD 19:46</b> <b>R Spot 22:22</b> <b>New Moon at</b> <b>Perigee: high tides</b> <b>this weekend</b>	Oct 17 <b>RASCNB AM</b> <b>I Sh 18:26-20:42</b> <b>IV ShE 20:42</b> Sunrise 7:43 set 18:34
Oct 18	Oct 19 <b>Red Spot 19:52</b>	Oct 20 <b>II TrI 20:14</b> <b>II ShI 22:49</b> <b>Orionids peak</b> <b>tonight</b>	Oct 21 <b>III OcD 20:26</b> <i>Jupiter transits 18:45</i> <i>Saturn transits 19:11</i> <b>Red Spot 21:31</b>	Oct 22 <b>II EcR 20:49</b> <i>Moon below Jupiter</i> <i>and Saturn</i> <i>Ceres stationary</i>	Oct 23 <b>First Quarter Moon</b> <b>Lunar X 20:00</b> <b>I OcD 21:43</b>	Oct 24 <b>I ShI 20:21</b> <b>I Tr 19:06-21:21</b> <b>Lunar Straight Wall</b> Sunrise 7:52 set 18:23
Oct 25 <b>III ShE 19:05</b> <b>IV OcR 19:14</b> <b>I EcR 19:48</b> <i>Mercury inf. conj.</i>	Oct 26 <b>Red Spot 20:41</b>  Algol minimum 22:23	Oct 27	Oct 28	Oct 29 <b>R Spot 18:11</b> <b>South Taurids peak</b> <i>Moon near Mars</i> Algol min 19:12	Oct 30 <b>South Taurids peak</b>	Oct 31 <b>I TrI 21:03</b> <b>Puny Full Moon</b> <i>Uranus opposition</i> Sunrise 8:02 set 18:12
Nov 1 <b>Standard Time 02:00</b> <b>III ShI 18:37</b> <b>I EcR 20:43</b>	Nov 2 <b>I ShE 18:02</b> <b>Red Spot 20:33</b>	Nov 3 <i>Mercury stationary</i>	Nov 4 <i>Moon near M35</i>	Nov 5 <b>R Spot 18:04</b> <i>Mars transits 22:20</i> <i>Jupiter sets 21:21</i> <i>Saturn sets 21:45</i>	Nov 6	Nov 7 <b>Red Spot 19:43</b>  Sunrise 7:12 set 17:03