



# June - July 2019



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   |
|---|---|--|--|---|---|---|
| June 2<br><i>2Pallas stationary</i>                         | June 3<br><b>New Moon</b><br><b>Red Spot 21:45</b><br><b>I EcD 24:10</b>  | June 4 <b>III ShE 22:55</b><br><b>III Tr 21:13-23:23</b><br><b>I Sh 21:29-23:42</b><br><b>I Tr 21:38-23:49</b> | June 5<br><b>Red Spot 23:23</b>  | June 6<br><i>Moon near Beehive</i>  | June 7 <b>Kouch SP</b><br><b>II ShE 22:22</b><br><b>II TrE 22:29</b><br><b>Red Spot 24:59</b> | June 8<br><b>Kouchibouguac Star Party</b><br><i>Sunrise 5:36 set 21:09</i>  |
| June 9  | June 10 <b>R Spot 22:30</b><br><b>First Quarter Moon</b><br><b>Lunar Straight Wall</b><br><i>Jupiter opposition</i> | June 11 <b>I TrI 23:22</b><br><b>I ShI 23:24</b><br><b>III TrI 24:28</b><br><b>III ShI 24:33</b>               | June 12<br><b>I EcR 22:44</b><br><b>Red Spot 24:08</b>   | June 13<br><i>Jupiter rises 20:42</i><br><i>Saturn rises 22:48</i><br><i>Mars sets 23:03</i>                      | June 14<br><i>Mercury near Mars</i><br><b>II Tr 22:18-24:43</b><br><b>II Sh 22:30-24:57</b>   | June 15 <b>Mars-Mercury</b><br><b>RASCNB MHS</b><br><b>Red Spot 21:37</b><br><i>Sunrise 5:35 set 21:13</i>        |
| June 16<br><i>Moon near Jupiter</i><br><i>Mars-Mercury</i>  | June 17<br><i>Full Moon 05:31</i><br><i>Mars-Mercury</i><br><b>Red Spot 23:15</b>                                   | June 18<br><i>Mercury above Mars</i><br><i>Moon near Saturn</i>  | June 19<br><b>I OcD 22:13</b><br><b>I EcR 24:38</b><br><b>Red Spot 24:53</b>                                       | June 20<br><b>I TrE 21:43</b><br><b>I ShE 21:59</b>   | June 21<br><b>Solstice 12:54</b><br><b>II TrI 24:32</b>                                       | June 22 <b>R Spot 22:22</b><br><b>III EcR 21:02</b><br><i>Neptune stationary</i><br><i>Sunrise 5:36 set 21:15</i> |
| June 23<br><i>Mercury elongation</i><br><b>II EcR 22:42</b> | June 24<br><b>Red Spot 24:00</b>  | June 25<br><i>Third Quarter Moon</i>   | June 26 <b>I OcD 23:57</b><br><i>Saturn rises 21:54</i><br><i>Mars sets 22:40</i><br><i>Jupiter transits 24:09</i> | June 27<br><b>I Tr 21:16-23:28</b><br><b>I Sh 21:41-23:53</b><br><b>Red Spot 21:30</b>                            | June 28<br><b>I EcR 21:01</b>   | June 29<br><b>Red Spot 23:08</b><br><i>Sunrise 5:39 set 21:16</i>   |
| June 30<br><b>II OcD 21:51</b>                              | July 1<br><b>Red Spot 24:46</b>   | July 2<br><b>New Moon</b>  | July 3<br><i>Mercury-Mars-Moon</i>   | July 4 <b>I TrI 23:02</b><br><b>I ShI 23:36</b><br><b>Earth at aphelion</b><br><b>Red Spot 22:15</b>              | July 5<br><b>Mactaquac COW</b><br><b>I EcR 22:56</b>  | July 6 <b>Mactaquac SP</b><br><b>SJAC meeting 19:00</b><br><b>III OcD 24:10</b><br><i>Sunrise 5:43 set 21:14</i>  |
| July 7<br><i>Mercury stationary</i><br><b>II OcD 24:09</b>  | July 8  | July 9 <b>R Spot 21:23</b><br><i>Saturn opposition</i><br><b>First Quarter Moon</b><br><b>II ShE 22:02</b>     | July 10<br><b>Lunar Straight Wall</b>  | July 11 <b>I TrI 24:48</b><br><b>Red Spot 23:01</b><br><i>Saturn rises 20:51</i><br><i>Jupiter transits 23:03</i> | July 12<br><b>I OcD 21:54</b><br><b>I EcR 24:51</b>   | July 13 <b>I TrE 21:26</b><br><b>I ShE 22:11</b><br><b>Red Spot 24:39</b><br><i>Sunrise 5:48 set 21:10</i>        |