



August - September 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
Aug 4 III EcR 21:02 I OcD 21:45 Red Spot 22:54	Aug 5 I TrE 21:18 I ShE 22:24	Aug 6 R Spot 24:32 <i>Mercury rises 04:48</i> <i>Jupiter transits 21:15</i> <i>Saturn transits 23:28</i>	Aug 7 Red Spot 20:24 First Quarter Moon Lunar X 24:00	Aug 8 II OcD 22:50	Aug 9 R Spot 22:02 Lunar Straight Wall <i>Moon near Jupiter</i> <i>Mercury elongation</i>	Aug 10 II ShE 21:46 <i>Sunrise 6:19 set 20:39</i>
Aug 11 R Spot 23:41 <i>Jupiter stationary</i> III Ec 22:32-24:59 I OcD 23:36	Aug 12 <i>Moon-Saturn</i> Perseid meteors I Tr 20:57-23:09 I Sh 22:07-24:19	Aug 13 Perseids peak 04:00 I EcR 21:29	Aug 14 Red Spot 21:11 <i>Venus at superior conjunction</i>	Aug 15 Full Ripening Moon	Aug 16 Oak Bay Observing Red Spot 22:50	Aug 17 II Sh 21:53-24:23 II TrE 21:54 <i>Sunrise 6:27 set 20:28</i>
Aug 18 III Oc 21:34-24:00 Red Spot 24:28	Aug 19 I Tr 22:49-24:59 I ShI 24:02 Red Spot 20:20	Aug 20 Algol minimum 23:04 I EcR 23:24	Aug 21 I ShE 20:42 Red Spot 21:58	Aug 22 <i>Mercury rises 05:22</i> <i>Jupiter transits 20:13</i> <i>Saturn transits 22:21</i>	Aug 23 Third Quarter Moon Red Spot 23:37	Aug 24 II Tr 21:58-24:26 II ShI 24:30 <i>Sunrise 6:35 set 20:16</i>
Aug 25	Aug 26 Red Spot 21:08 II EcR 22:07 I TrI 24:42	Aug 27 I OcD 21:49	Aug 28 I Sh 20:26-22:37 I TrE 21:22 Red Spot 22:46	Aug 29 III Sh20:22-22:54	Aug 30 Fundy Star Party New Moon at perigee Red Spot 24:25	Aug 31 R Spot 20:17 Fundy Star Party II TrI 24:32 <i>Sunrise 6:44 set 20:03</i>
Sept 1	Sept 2 R Spot 21:55 <i>Mars in conjunction</i> II OcR 22:07 II Ec 22:11-24:43	Sept 3 I OcD 23:43 <i>Mercury sup. conj.</i> <i>Saturn transits 21:32</i> <i>Jupiter sets 23:54</i>	Sept 4 R Spot 23:34 Hampton observing I Tr 21:05-23:16 I Sh 22:21-24:32	Sept 5 III TrE 21:38 First Quarter 24:10 I EcR 21:44 III ShI 24:22	Sept 6 INP Observing	Sept 7 R Spot 21:04 SJAC meeting 19:00 Lunar Straight Wall <i>Sunrise 6:52 set 19:50</i>
Sept 8	Sept 9 R Spot 22:43 II Oc 22:12-24:42 II EcD 24:46 Algol minimum 24:47	Sept 10 <i>Neptune opposition</i>	Sept 11 R Spot 24:22 II ShE 21:36 I TrI 23:00 I ShI 24:16	Sept 12 I OcD 20:07 III TrI 23:10 I EcR 23:39 Red Spot 20:14	Sept 13 I ShE 20:56	Sept 14 Full Puny Moon Red Spot 21:53 <i>Sunrise 7:01 set 19:37</i>