

This is an astronomical calendar. For each Saturday in the year, four Stars that appear in about **30 degrees** intervals in the night sky are selected. Also Planets that appear in the night sky are included in the list.

The times of Stars and Planets (except Mercury and Venus) are the “**The Mean Solar Transit Times**”. The Stars and Planets that are at Transit will be at its highest altitude, and appear directly to the north or south.

**Solar Time = GMT + (Longitude / 15)**. The difference between **Solar Time and Local Time** does not exceed **1 hour** for most countries.

All times are obtained for **Point Zero** (at: 0 Latitude 0 Longitude). However, the Solar Transit Times for Stars and Planets in Point Zero are equal to the Solar Transit Times of these Stars and Planets at any other point on earth with a margin of error that does not exceed **5 minutes**.

Also, the rise and set of the Sun, Moon, Mercury and Venus are also in “Solar Time”. But, the margin of error for the **Solar Rise & Set Times** for the Sun (and other Objects) in Point Zero and other points on earth will be higher depending on the latitude of these points (for areas between 30N to 30S: the margin of error is about 1 hour). Therefore, the rise and set times in this calendar should be taken as **indicators**.

New And Full Moon Times are in **GMT**. Time is formatted as “hh:mm”. **MB** (Moon Beta): Geocentric Ecliptic Latitude of the Moon, which varies between: -5.27 to +5.27 degrees.

**MAg**: The Moon Angular Diameter, which varies between 0.49 to 0.557 degrees (avrg 0.523).

**SAG**: The Sun Angular Diameter, which varies between 0.5244 to 0.5422 degrees. (avrg 0.533).

**Hijri Months: Mhr** (Muharram), **Sfr**(Safar), **Rb1**(Rabi Awal), **Rb2** (Rabi Thani), **Jm1** (Jumada Awal), **Jm2** (Jumada Thani), **Rjb** (Rajab), **Shn** (Shaban), **Rmd** (Ramadan), **Shl** (Shawwal), **Qdh** (Zul Qadah), **Hjh** (Zul Hijjah).

Hijri Months are obtained using "**The Rule of 29**", which says that the New Moon occurs at the 29th day of the Hijri month. The results of this rule agree with 92% of Yallop criteria, and 91% of SAAO criteria (the most two recognized criteria for crescent sighting).

For more info: "The Rule of 29" at [www.omr-mhmd.yolasite.com](http://www.omr-mhmd.yolasite.com)

Cross off weeks that have passed with a highlighter, so that the Calendar will be easier to follow.

Compiled by: Omar Abur-Robb - 2019.

#	Constellation, Star Name, Brightness Rank, اسم النجم, الكوكبة
CM	Canis Majoris, <b>Sirius</b> , 1, الكلب الأكبر, الشعرى اليمانية
Hy	Hydrae, <b>Hydrae Epsilon</b> , 252, الشجاع, إبسلون الشجاع
Leo	Leonis, <b>Algieba</b> , 49, الأسد, الجبهة
GCen	Centauri, <b>Muhlifain</b> , 64, قنطور, جاما القنطور
RCen	Centauri, <b>Rigil Kentaurus</b> , 3, قنطور, رجل القنطور
Sco	Scorpii, <b>Antares</b> , 15, العقرب, قلب العقرب
Ly	Lyrae, <b>Vega</b> , 5, القيثارة, النسر الواقع
Cy	Cygni, <b>Deneb</b> , 19, الدجاجة, الذنب
Pi	Piscis Austrini, <b>Fomalhaut</b> , 18, الحوت الجنوبي, فم الحوت
Cas	Cassiopeiae, <b>Schedar</b> , 71, ذات الكرسي/الناقة, الصدر
Cet	Ceti, <b>Kaffaljidhma</b> , 277, قيطس, جاما قيطس
Tau	Tauri, <b>Aldebaran</b> , 14, الثور, الدبران/عين الثور

**Mrc**: Mercury, **Vns**: Venus, Mars, **Jup**: Jupiter, **Sat**: Saturn, **Ura**: Uranus, **Nep**: Neptune, **Plu**: Pluto.

#	Sat's	Details
W1	Sat 2018 <b>Dec 29</b>	Transit: Cet 20:11, Tau 22:03, CM 00:16, Hy 02:18 ** Ura 19:16 At Point Zero/RISE SET: Sun 05:58 18:05, Moon \$ 12:09, Mrc 04:39 16:42, Vns 02:42 14:45, Mars 11:17 23:19, Jup 04:04 16:06, Strn 06:12 18:14, Ura 13:15 01:21, Nep 10:25 22:27, Plu 06:53 18:56 ** MoonPhase 48.85% ** Mrc Rises 01:18 Before Sunrise. ** Vns Rises 03:16 Before Sunrise.
W2	Sat 2019 <b>Jan 5</b>	Transit: Tau 21:36, CM 23:44, Hy 01:50, Leo 03:23 ** Ura 18:48 At Point Zero/RISE SET: Sun 06:01 18:09, Moon 05:25 17:49, Mrc 04:56 16:59, Vns 02:42 14:45, Mars 11:06 23:09, Jup 03:42 15:45, Strn 05:48 17:51, Ura 12:47 00:54, Nep 09:58 22:00, Plu 06:27 18:30 ** MoonPhase 0.29% ** Mrc Rises 01:04 Before Sunrise. ** Vns Rises 03:19 Before Sunrise. *** New Moon: 2019-01-06 Sun 01:28 GMT, MB 1.05, MAg 0.5, SAg 0.54 \$** Partial Solar eclipse around Longitude 158:00:00 E north the Equator *** New Hijri Month: 01-Jm1 at Mon 2019-01-07
W3	Sat 2019 <b>Jan 12</b>	Transit: Tau 21:08, CM 23:17, Hy 01:22, Leo 02:55 ** Ura 18:21 At Point Zero/RISE SET: Sun 06:04 18:11, Moon 10:45 23:06, Mrc 05:15 17:18, Vns 02:44 14:47, Mars 10:56 22:58, Jup 03:21 15:24, Strn 05:24 17:27, Ura 12:20 00:26, Nep 09:31 21:34, Plu 06:00 18:03 ** MoonPhase 32.75% ** Mrc Rises 00:48 Before Sunrise. ** Vns Rises 03:20 Before Sunrise.
W4	Sat 2019 <b>Jan 19</b>	Transit: Tau 20:41, CM 22:49, Hy 00:55, Leo 02:28 At Point Zero/RISE SET: Sun 06:07 18:14, Moon 16:39 04:07, Mrc 05:36 17:39, Vns 02:47 14:50, Mars 10:46 22:48, Jup 02:59 15:02, Strn 05:00 17:03, Ura 11:52 23:55, Nep 09:04 21:07, Plu 05:34 17:37 ** MoonPhase 95.67% ** Mrc Rises 00:30 Before Sunrise. ** Vns Rises 03:19 Before Sunrise. *** Full Moon: 2019-01-21 Mon 05:15 GMT, MB 0.38, MAg 0.56, SAg 0.54 \$** Total Lunar eclipse around Longitude 78:45:00 W
W5	Sat 2019 <b>Jan 26</b>	Transit: Tau 20:13, CM 22:22, Hy 00:27, Leo 02:00 At Point Zero/RISE SET: Sun 06:08 18:16, Moon 23:18 10:52, Mrc 05:57 18:00, Vns 02:52 14:55, Mars 10:35 22:38, Jup 02:37 14:40, Strn 04:35 16:38, Ura 11:25 23:28, Nep 08:37 20:40, Plu 05:07 17:10 ** MoonPhase 64.89% ** Mrc Rises 00:11 Before Sunrise. ** Vns Rises 03:16 Before Sunrise.
W6	Sat 2019 <b>Feb 2</b>	Transit: CM 21:54, Hy 00:00, Leo 01:33, GCen 03:54 At Point Zero/RISE SET: Sun 06:10 18:17, Moon 04:11 16:34, Mrc 06:19 18:22, Vns 02:58 15:01, Mars 10:25 22:28, Jup 02:15 14:18, Strn 04:11 16:14, Ura 10:58 23:01, Nep 08:11 20:13, Plu 04:41 16:44 ** MoonPhase 4.97% ** Mrc Sets 00:04 After Sunset. ** Vns Rises 03:11 Before Sunrise. *** New Moon: 2019-02-04 Mon 21:03 GMT, MB -1.73, MAg 0.49, SAg 0.54 *** New Hijri Month: 01-Jm2 at Wed 2019-02-06
W7	Sat 2019 <b>Feb 9</b>	Transit: CM 21:27, Hy 23:28, Leo 01:05, GCen 03:27 At Point Zero/RISE SET: Sun 06:10 18:17, Moon 09:26 21:46, Mrc 06:40 18:43, Vns 03:04 15:07, Mars 10:15 22:18, Jup 01:52 13:55, Strn 03:47 15:50, Ura 10:31 22:34, Nep 07:44 19:47, Plu 04:14 16:17 ** MoonPhase 18.07% ** Mrc Sets 00:25 After Sunset. ** Vns Rises 03:05 Before Sunrise.
W8	Sat 2019 <b>Feb 16</b>	Transit: CM 20:59, Hy 23:01, Leo 00:38, GCen 02:59 At Point Zero/RISE SET: Sun 06:10 18:17, Moon 15:21 02:48, Mrc 06:59 19:02, Vns 03:12 15:15, Mars 10:06 22:08, Jup 01:29 13:32, Strn 03:23 15:25, Ura 10:04 22:07, Nep 07:17 19:20, Plu 03:47 15:50 ** MoonPhase 85.78% ** Mrc Sets 00:44 After Sunset. ** Vns Rises 02:58 Before Sunrise. *** Full Moon: 2019-02-19 Tue 15:53 GMT, MB 2.98, MAg 0.56, SAg 0.54

W9	Sat 2019 <b>Feb 23</b>	Transit: CM 20:32, Hy 22:33, Leo 00:10, GCen 02:32 At Point Zero/RISE SET: Sun 06:10 18:16, Moon 21:58 09:32, Mrc 07:11 19:14, Vns 03:19 15:22, Mars 09:56 21:59, Jup 01:06 13:09, Strn 02:58 15:01, Ura 09:38 21:41, Nep 06:51 18:54, Plu 03:21 15:24 ** MoonPhase 79.99% ** Mrc Sets 00:57 After Sunset. ** Vns Rises 02:50 Before Sunrise.
W10	Sat 2019 <b>Mar 2</b>	Transit: Hy 22:06, Leo 23:39, GCen 02:04, RCen 04:02 At Point Zero/RISE SET: Sun 06:08 18:15, Moon 02:56 15:20, Mrc 07:08 19:10, Vns 03:26 15:29, Mars 09:47 21:50, Jup 00:42 12:45, Strn 02:33 14:36, Ura 09:11 21:14, Nep 06:24 18:27, Plu 02:54 14:57 ** MoonPhase 14.71% ** Mrc Sets 00:55 After Sunset. ** Vns Rises 02:42 Before Sunrise. *** New Moon: 2019-03-06 Wed 16:03 GMT, MB -3.95, MAg 0.49, SAg 0.54 *** New Hijri Month: 01-Rjb at Fri 2019-03-08
W11	Sat 2019 <b>Mar 9</b>	Transit: Hy 21:38, Leo 23:11, GCen 01:37, RCen 03:35 At Point Zero/RISE SET: Sun 06:07 18:13, Moon 08:07 20:28, Mrc 06:39 18:42, Vns 03:33 15:36, Mars 09:38 21:41, Jup 00:18 12:21, Strn 02:08 14:11, Ura 08:45 20:48, Nep 05:58 18:00, Plu 02:27 14:30 ** MoonPhase 7.36% ** Mrc Sets 00:28 After Sunset. ** Vns Rises 02:33 Before Sunrise.
W12	Sat 2019 <b>Mar 16</b>	Transit: Hy 21:11, Leo 22:44, GCen 01:09, RCen 03:07 ** Jup 05:54 At Point Zero/RISE SET: Sun 06:05 18:11, Moon 14:06 01:35, Mrc 05:52 17:54, Vns 03:40 15:42, Mars 09:29 21:32, Jup 23:49 11:56, Strn 01:43 13:45, Ura 08:19 20:21, Nep 05:31 17:34, Plu 02:00 14:03 ** MoonPhase 72.42% ** Mrc Rises 00:13 Before Sunrise. ** Vns Rises 02:25 Before Sunrise. *** Full Moon: 2019-03-21 Thu 01:42 GMT, MB 4.64, MAg 0.55, SAg 0.54
W13	Sat 2019 <b>Mar 23</b>	Transit: Hy 20:43, Leo 22:16, GCen 00:42, RCen 02:40 ** Jup 05:29 At Point Zero/RISE SET: Sun 06:03 18:09, Moon 20:36 08:09, Mrc 05:05 17:08, Vns 03:46 15:48, Mars 09:20 21:23, Jup 23:24 11:30, Strn 01:17 13:20, Ura 07:53 19:55, Nep 05:05 17:07, Plu 01:33 13:36 ** MoonPhase 91.81% ** Mrc Rises 00:57 Before Sunrise. ** Vns Rises 02:17 Before Sunrise.
W14	Sat 2019 <b>Mar 30</b>	Transit: Hy 20:16, Leo 21:49, GCen 00:14, RCen 02:12 ** Jup 05:03 At Point Zero/RISE SET: Sun 06:01 18:07, Moon 01:40 14:03, Mrc 04:35 16:38, Vns 03:51 15:53, Mars 09:12 21:15, Jup 22:57 11:04, Strn 00:51 12:54, Ura 07:26 19:29, Nep 04:38 16:41, Plu 01:06 13:09 ** MoonPhase 28.44% ** Mrc Rises 01:25 Before Sunrise. ** Vns Rises 02:10 Before Sunrise. *** New Moon: 2019-04-05 Fri 08:50 GMT, MB -4.95, MAg 0.5, SAg 0.53
W15	Sat 2019 <b>Apr 6</b>	Transit: Leo 21:21, GCen 23:43, RCen 01:45, Sco 03:33 ** Jup 04:36 At Point Zero/RISE SET: Sun 05:59 18:05, Moon 06:49 19:11, Mrc 04:21 16:23, Vns 03:55 15:58, Mars 09:04 21:07, Jup 22:31 10:38, Strn 00:25 12:28, Ura 07:00 19:03, Nep 04:12 16:14, Plu 00:39 12:42 ** MoonPhase 1.28% ** Mrc Rises 01:37 Before Sunrise. ** Vns Rises 02:03 Before Sunrise. *** New Hijri Month: 01-Shn at Sat 2019-04-06
W16	Sat 2019 <b>Apr 13</b>	Transit: Leo 20:54, GCen 23:15, RCen 01:17, Sco 03:06 ** Jup 04:09 At Point Zero/RISE SET: Sun 05:57 18:03, Moon 12:56 00:26, Mrc 04:17 16:20, Vns 03:59 16:02, Mars 08:56 20:59, Jup 22:03 10:10, Strn 23:54 12:01, Ura 06:34 18:37, Nep 03:45 15:47, Plu 00:12 12:15 ** MoonPhase 57.94% ** Mrc Rises 01:39 Before Sunrise. ** Vns Rises 01:57 Before Sunrise. *** Full Moon: 2019-04-19 Fri 11:11 GMT, MB 4.95, MAg 0.54, SAg 0.53
W17	Sat 2019 <b>Apr 20</b>	Transit: Leo 20:26, GCen 22:48, RCen 00:50, Sco 02:38 ** Jup 03:41, Strn 05:33, Plu 05:46 At Point Zero/RISE SET: Sun 05:55 18:02, Moon 19:13 06:46, Mrc 04:21 16:23, Vns 04:03 16:06, Mars 08:48 20:51, Jup 21:35 09:42, Strn 23:27 11:34, Ura 06:08 18:11, Nep 03:18 15:21, Plu 23:40 11:47 ** MoonPhase 98.57% ** Mrc Rises 01:34 Before Sunrise. ** Vns Rises 01:51 Before Sunrise.

W18	Sat 2019 <b>Apr 27</b>	Transit: Leo 19:58, GCen 22:20, RCen 00:22, Sco 02:11 ** Jup 03:12, Strn 05:06, Plu 05:18 At Point Zero/RISE SET: Sun 05:54 18:01, Moon 00:22 12:45, Mrc 04:30 16:33, Vns 04:07 16:10, Mars 08:40 20:43, Jup 21:06 09:13, Strn 23:00 11:07, Ura 05:42 17:45, Nep 02:51 14:54, Plu 23:13 11:20 ** MoonPhase 44.61% ** Mrc Rises 01:23 Before Sunrise. ** Vns Rises 01:46 Before Sunrise.
W19	Sat 2019 <b>May 4</b>	Transit: GCen 21:53, RCen 23:51, Sco 01:43, Ly 03:50 ** Jup 02:43, Strn 04:38, Plu 04:51 At Point Zero/RISE SET: Sun 05:53 18:00, Moon 05:30 17:52, Mrc 04:45 16:47, Vns 04:11 16:13, Mars 08:33 20:36, Jup 20:37 08:44, Strn 22:33 10:39, Ura 05:16 17:19, Nep 02:25 14:27, Plu 22:45 10:52 ** MoonPhase 0.22% ** Mrc Rises 01:08 Before Sunrise. ** Vns Rises 01:42 Before Sunrise. *** New Moon: 2019-05-04 Sat 22:45 GMT, MB -4.56, MAg 0.51, SAg 0.53 *** New Hijri Month: 01-Rmd at Mon 2019-05-06
W20	Sat 2019 <b>May 11</b>	Transit: GCen 21:25, RCen 23:23, Sco 01:16, Ly 03:23 ** Jup 02:13, Strn 04:10, Plu 04:23 At Point Zero/RISE SET: Sun 05:52 17:59, Moon 11:49 \$, Mrc 05:05 17:08, Vns 04:15 16:17, Mars 08:25 20:28, Jup 20:07 08:14, Strn 22:05 10:12, Ura 04:50 16:53, Nep 01:58 14:00, Plu 22:18 10:24 ** MoonPhase 43.72% ** Mrc Rises 00:47 Before Sunrise. ** Vns Rises 01:37 Before Sunrise.
W21	Sat 2019 <b>May 18</b>	Transit: GCen 20:58, RCen 22:56, Sco 00:48, Ly 02:55 ** Jup 01:42, Strn 03:42, Plu 03:55 At Point Zero/RISE SET: Sun 05:52 18:00, Moon 17:53 05:26, Mrc 05:34 17:36, Vns 04:19 16:22, Mars 08:17 20:20, Jup 19:37 07:44, Strn 21:37 09:43, Ura 04:24 16:27, Nep 01:31 13:33, Plu 21:50 09:57 ** MoonPhase 99.82% ** Mrc Rises 00:18 Before Sunrise. ** Vns Rises 01:33 Before Sunrise. *** Full Moon: 2019-05-18 Sat 21:11 GMT, MB 3.95, MAg 0.53, SAg 0.53
W22	Sat 2019 <b>May 25</b>	Transit: GCen 20:30, RCen 22:28, Sco 00:20, Ly 02:28 ** Jup 01:11, Strn 03:13, Plu 03:27 At Point Zero/RISE SET: Sun 05:53 18:00, Moon 23:48 11:24, Mrc 06:08 18:11, Vns 04:24 16:27, Mars 08:09 20:12, Jup 19:06 07:13, Strn 21:08 09:15, Ura 03:58 16:01, Nep 01:03 13:06, Plu 21:22 09:29 ** MoonPhase 61.25% ** Mrc Sets 00:11 After Sunset. ** Vns Rises 01:28 Before Sunrise.
W23	Sat 2019 <b>Jun 1</b>	Transit: RCen 22:01, Sco 23:49, Ly 02:00, Cy 04:04 ** Jup 00:40, Strn 02:45, Plu 02:59 At Point Zero/RISE SET: Sun 05:54 18:01, Moon 04:09 16:32, Mrc 06:44 18:47, Vns 04:30 16:33, Mars 08:02 20:05, Jup 18:35 06:42, Strn 20:39 08:46, Ura 03:32 15:35, Nep 00:36 12:39, Plu 20:54 09:01 ** MoonPhase 4.30% ** Mrc Sets 00:46 After Sunset. ** Vns Rises 01:23 Before Sunrise. *** New Moon: 2019-06-03 Mon 10:01 GMT, MB -2.99, MAg 0.53, SAg 0.53 *** New Hijri Month: 01-Shl at Tue 2019-06-04
W24	Sat 2019 <b>Jun 8</b>	Transit: RCen 21:33, Sco 23:21, Ly 01:33, Cy 03:36 ** Jup 00:09, Strn 02:16, Plu 02:31 At Point Zero/RISE SET: Sun 05:55 18:02, Moon 10:41 23:08, Mrc 07:15 19:18, Vns 04:37 16:40, Mars 07:54 19:57, Jup 18:04 06:10, Strn 20:10 08:17, Ura 03:06 15:09, Nep 00:09 12:12, Plu 20:26 08:33 ** MoonPhase 30.32% ** Mrc Sets 01:15 After Sunset. ** Vns Rises 01:17 Before Sunrise.
W25	Sat 2019 <b>Jun 15</b>	Transit: RCen 21:06, Sco 22:54, Ly 01:05, Cy 03:09 ** Jup 23:34, Strn 01:46, Nep 05:43, Plu 02:03 At Point Zero/RISE SET: Sun 05:56 18:04, Moon 16:37 04:10, Mrc 07:35 19:38, Vns 04:45 16:48, Mars 07:45 19:48, Jup 17:32 05:39, Strn 19:41 07:48, Ura 02:40 14:42, Nep 23:38 11:44, Plu 19:58 08:05 ** MoonPhase 96.21% ** Mrc Sets 01:34 After Sunset. ** Vns Rises 01:11 Before Sunrise. *** Full Moon: 2019-06-17 Mon 08:30 GMT, MB 1.94, MAg 0.51, SAg 0.52

W26	Sat 2019 <b>Jun 22</b>	Transit: RCen 20:38, Sco 22:26, Ly 00:37, Cy 02:41 ** Jup 23:02, Strn 01:17, Nep 05:15, Plu 01:35 At Point Zero/RISE SET: Sun 05:58 18:05, Moon 22:26 10:04, Mrc 07:44 19:47, Vns 04:53 16:56, Mars 07:37 19:40, Jup 17:01 05:08, Strn 19:11 07:18, Ura 02:13 14:16, Nep 23:10 11:17, Plu 19:30 07:36 ** MoonPhase 76.37% ** Mrc Sets 01:42 After Sunset. ** Vns Rises 01:04 Before Sunrise.
W27	Sat 2019 <b>Jun 29</b>	Transit: RCen 20:11, Sco 21:59, Ly 00:10, Cy 02:14 ** Jup 22:31, Strn 00:47, Nep 04:48, Plu 01:07 At Point Zero/RISE SET: Sun 05:59 18:07, Moon 02:47 15:11, Mrc 07:41 19:44, Vns 05:03 17:06, Mars 07:28 19:31, Jup 16:30 04:37, Strn 18:42 06:49, Ura 01:47 13:49, Nep 22:43 10:49, Plu 19:01 07:08 ** MoonPhase 13.15% ** Mrc Sets 01:37 After Sunset. ** Vns Rises 00:56 Before Sunrise. *** New Moon: 2019-07-02 Tue 19:15 GMT, MB -0.65, MAg 0.54, SAg 0.52 \$** Partial Solar eclipse around Longitude 108:45:00 W south the Equator *** New Hijri Month: 01-Qdh at Thu 2019-07-04
W28	Sat 2019 <b>Jul 6</b>	Transit: Sco 21:31, Ly 23:39, Cy 01:46, Pic 04:03 ** Jup 22:01, Strn 00:17, Nep 04:20, Plu 00:39 At Point Zero/RISE SET: Sun 06:01 18:08, Moon 09:30 21:56, Mrc 07:24 19:27, Vns 05:12 17:15, Mars 07:20 19:22, Jup 15:59 04:06, Strn 18:12 06:19, Ura 01:20 13:23, Nep 22:15 10:21, Plu 18:33 06:40 ** MoonPhase 18.20% ** Mrc Sets 01:18 After Sunset. ** Vns Rises 00:48 Before Sunrise.
W29	Sat 2019 <b>Jul 13</b>	Transit: Sco 21:04, Ly 23:11, Cy 01:19, Pic 03:36 ** Jup 21:30, Strn 23:44, Nep 03:52, Plu 00:10 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 15:24 02:57, Mrc 06:51 18:54, Vns 05:22 17:25, Mars 07:10 19:13, Jup 15:29 03:36, Strn 17:42 05:49, Ura 00:53 12:56, Nep 21:47 09:54, Plu 18:05 06:12 ** MoonPhase 88.61% ** Mrc Sets 00:45 After Sunset. ** Vns Rises 00:39 Before Sunrise. *** Full Moon: 2019-07-16 Tue 21:38 GMT, MB -0.57, MAg 0.5, SAg 0.52 \$** Partial Lunar eclips around Longitude 35:30:00 E
W30	Sat 2019 <b>Jul 20</b>	Transit: Sco 20:36, Ly 22:43, Cy 00:51, Pic 03:08 ** Jup 21:00, Strn 23:14, Nep 03:25, Plu 23:38 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 21:06 08:43, Mrc 06:07 18:10, Vns 05:32 17:35, Mars 07:01 19:04, Jup 14:59 03:06, Strn 17:13 05:20, Ura 00:26 12:29, Nep 21:19 09:26, Plu 17:37 05:44 ** MoonPhase 88.44% ** Mrc Sets 00:00 After Sunset. ** Vns Rises 00:30 Before Sunrise.
W31	Sat 2019 <b>Jul 27</b>	Transit: Sco 20:09, Ly 22:16, Cy 00:24, Pic 02:41 ** Jup 20:31, Strn 22:45, Ura 06:01, Nep 02:57, Plu 23:10 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 01:26 13:50, Mrc 05:22 17:25, Vns 05:41 17:44, Mars 06:51 18:54, Jup 14:30 02:36, Strn 16:43 04:50, Ura 23:55 12:02, Nep 20:51 08:58, Plu 17:08 05:15 ** MoonPhase 25.84% ** Mrc Rises 00:40 Before Sunrise. ** Vns Rises 00:21 Before Sunrise. *** New Moon: 2019-08-01 Thu 03:11 GMT, MB 1.88, MAg 0.55, SAg 0.53 *** New Hijri Month: 01-Hjh at Fri 2019-08-02
W32	Sat 2019 <b>Aug 3</b>	Transit: Ly 21:48, Cy 23:52, Pic 02:13, Cas 03:56 ** Jup 20:02, Strn 22:15, Ura 05:33, Nep 02:29, Plu 22:42 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 08:13 20:39, Mrc 04:51 16:54, Vns 05:49 17:52, Mars 06:41 18:44, Jup 14:01 02:08, Strn 16:14 04:20, Ura 23:28 11:35, Nep 20:23 08:30, Plu 16:40 04:47 ** MoonPhase 8.22% ** Mrc Rises 01:11 Before Sunrise. ** Vns Rises 00:12 Before Sunrise.

W33	Sat 2019 <b>Aug 10</b>	Transit: Ly 21:21, Cy 23:25, Pic 01:46, Cas 03:28 ** Jup 19:34, Strn 21:46, Ura 05:06, Nep 02:01, Plu 22:14 At Point Zero/RISE SET: Sun 06:01 18:08, Moon 14:12 01:45, Mrc 04:41 16:44, Vns 05:57 18:00, Mars 06:31 18:34, Jup 13:33 01:40, Strn 15:44 03:51, Ura 23:01 11:07, Nep 19:55 08:02, Plu 16:12 04:19 ** MoonPhase 77.69% ** Mrc Rises 01:19 Before Sunrise. ** Vns Rises 00:04 Before Sunrise. *** Full Moon: 2019-08-15 Thu 12:29 GMT, MB -2.98, MAg 0.49, SAg 0.53
W34	Sat 2019 <b>Aug 17</b>	Transit: Ly 20:53, Cy 22:57, Pic 01:18, Cas 03:01 ** Jup 19:07, Strn 21:17, Ura 04:38, Nep 01:32, Plu 21:45 At Point Zero/RISE SET: Sun 06:00 18:07, Moon 19:46 07:24, Mrc 04:52 16:55, Vns 06:04 18:06, Mars 06:21 18:24, Jup 13:06 01:12, Strn 15:15 03:22, Ura 22:33 10:40, Nep 19:27 07:34, Plu 15:44 03:51 ** MoonPhase 96.49% ** Mrc Rises 01:07 Before Sunrise.
W35	Sat 2019 <b>Aug 24</b>	Transit: Ly 20:26, Cy 22:30, Pic 00:50, Cas 02:33 ** Jup 18:40, Strn 20:48, Ura 04:11, Nep 01:04, Plu 21:17 At Point Zero/RISE SET: Sun 05:59 18:05, Moon 00:07 12:32, Mrc 05:16 17:19, Vns 06:09 18:12, Mars 06:10 18:13, Jup 12:39 00:46, Strn 14:46 02:53, Ura 22:05 10:12, Nep 18:59 07:06, Plu 15:16 03:23 ** MoonPhase 40.86% ** Mrc Rises 00:42 Before Sunrise. ** Vns Sets 00:06 After Sunset. *** New Moon: 2019-08-30 Fri 10:36 GMT, MB 3.95, MAg 0.56, SAg 0.53
W36	Sat 2019 <b>Aug 31</b>	Transit: Ly 19:58, Cy 22:02, Pic 00:23, Cas 02:06 ** Jup 18:14, Strn 20:19, Ura 03:43, Nep 00:36, Plu 20:49 At Point Zero/RISE SET: Sun 05:57 18:03, Moon 06:53 19:19, Mrc 05:43 17:45, Vns 06:15 18:17, Mars 06:00 18:02, Jup 12:13 00:20, Strn 14:18 02:25, Ura 21:38 09:44, Nep 18:31 06:37, Plu 14:48 02:55 ** MoonPhase 1.74% ** Mrc Rises 00:13 Before Sunrise. ** Vns Sets 00:14 After Sunset. *** New Hijri Month: 01-Mhr at Sat 2019-08-31
W37	Sat 2019 <b>Sep 7</b>	Transit: Cy 21:34, Pic 23:52, Cas 01:38, Cet 03:40 ** Strn 19:51, Ura 03:15, Nep 00:08, Plu 20:21 At Point Zero/RISE SET: Sun 05:54 18:01, Moon 13:00 00:33, Mrc 06:05 18:08, Vns 06:19 18:22, Mars 05:49 17:51, Jup 11:47 23:50, Strn 13:50 01:57, Ura 21:10 09:16, Nep 18:03 06:09, Plu 14:20 02:27 ** MoonPhase 63.92% ** Mrc Sets 00:07 After Sunset. ** Vns Sets 00:20 After Sunset.
W38	Sat 2019 <b>Sep 14</b>	Transit: Cy 21:07, Pic 23:24, Cas 01:11, Cet 03:12 ** Strn 19:23, Ura 02:47, Nep 23:36, Plu 19:54 At Point Zero/RISE SET: Sun 05:52 17:58, Moon 18:26 06:05, Mrc 06:24 18:26, Vns 06:23 18:26, Mars 05:38 17:40, Jup 11:23 23:25, Strn 13:22 01:29, Ura 20:41 08:48, Nep 17:34 05:41, Plu 13:52 01:59 ** MoonPhase 99.91% ** Mrc Sets 00:27 After Sunset. ** Vns Sets 00:27 After Sunset. *** Full Moon: 2019-09-14 Sat 04:32 GMT, MB -4.61, MAg 0.49, SAg 0.53
W39	Sat 2019 <b>Sep 21</b>	Transit: Cy 20:39, Pic 22:56, Cas 00:43, Cet 02:45 ** Strn 18:56, Ura 02:18, Nep 23:07, Plu 19:26 At Point Zero/RISE SET: Sun 05:49 17:56, Moon 23:46 11:18, Mrc 06:38 18:40, Vns 06:28 18:30, Mars 05:27 17:29, Jup 10:58 23:01, Strn 12:54 01:01, Ura 20:13 08:20, Nep 17:06 05:13, Plu 13:24 01:31 ** MoonPhase 56.47% ** Mrc Sets 00:44 After Sunset. ** Vns Sets 00:34 After Sunset.

W40	Sat 2019 <b>Sep 28</b>	Transit: Cy 20:12, Pic 22:29, Cas 00:16, Cet 02:17 ** Strn 18:29, Ura 01:50, Nep 22:39, Plu 18:58 At Point Zero/RISE SET: Sun 05:47 17:53, Moon 05:31 17:56, Mrc 06:50 18:52, Vns 06:32 18:34, Mars 05:16 17:18, Jup 10:34 22:37, Strn 12:27 00:34, Ura 19:45 07:51, Nep 16:38 04:44, Plu 12:57 01:04 ** MoonPhase 0.11% ** Mrc Sets 00:58 After Sunset. ** Vns Sets 00:40 After Sunset. *** New Moon: 2019-09-28 Sat 18:26 GMT, MB 4.98, MAg 0.56, SAg 0.53 *** New Hijri Month: 01-Sfr at Mon 2019-09-30
W41	Sat 2019 <b>Oct 5</b>	Transit: Pic 22:01, Cas 23:44, Cet 01:50, Tau 03:42 ** Strn 18:02, Ura 01:22, Nep 22:11, Plu 18:31 At Point Zero/RISE SET: Sun 05:45 17:51, Moon 11:46 \$, Mrc 06:59 19:02, Vns 06:36 18:39, Mars 05:05 17:07, Jup 10:11 22:14, Strn 12:00 00:07, Ura 19:16 07:23, Nep 16:10 04:16, Plu 12:29 00:36 ** MoonPhase 47.99% ** Mrc Sets 01:10 After Sunset. ** Vns Sets 00:47 After Sunset.
W42	Sat 2019 <b>Oct 12</b>	Transit: Pic 21:34, Cas 23:17, Cet 01:22, Tau 03:15 ** Ura 00:53, Nep 21:43, Plu 18:03 At Point Zero/RISE SET: Sun 05:43 17:49, Moon 17:06 04:45, Mrc 07:07 19:10, Vns 06:41 18:44, Mars 04:53 16:56, Jup 09:48 21:51, Strn 11:34 23:37, Ura 18:48 06:54, Nep 15:42 03:48, Plu 12:02 00:09 ** MoonPhase 98.23% ** Mrc Sets 01:20 After Sunset. ** Vns Sets 00:54 After Sunset. *** Full Moon: 2019-10-13 Sun 21:07 GMT, MB -4.95, MAg 0.5, SAg 0.53
W43	Sat 2019 <b>Oct 19</b>	Transit: Pic 21:06, Cas 22:49, Cet 00:55, Tau 02:47 ** Ura 00:25, Nep 21:15 At Point Zero/RISE SET: Sun 05:41 17:48, Moon 22:36 10:07, Mrc 07:11 19:14, Vns 06:47 18:50, Mars 04:42 16:45, Jup 09:26 21:28, Strn 11:07 23:10, Ura 18:19 06:26, Nep 15:14 03:20, Plu 11:34 23:37 ** MoonPhase 71.20% ** Mrc Sets 01:26 After Sunset. ** Vns Sets 01:02 After Sunset.
W44	Sat 2019 <b>Oct 26</b>	Transit: Pic 20:39, Cas 22:22, Cet 00:27, Tau 02:20 ** Ura 23:52, Nep 20:47 At Point Zero/RISE SET: Sun 05:40 17:47, Moon 04:09 16:34, Mrc 07:08 19:11, Vns 06:54 18:57, Mars 04:32 16:34, Jup 09:03 21:06, Strn 10:42 22:45, Ura 17:51 05:57, Nep 14:46 02:52, Plu 11:07 23:10 ** MoonPhase 3.97% ** Mrc Sets 01:24 After Sunset. ** Vns Sets 01:10 After Sunset. *** New Moon: 2019-10-28 Mon 03:38 GMT, MB 4.63, MAg 0.55, SAg 0.54 *** New Hijri Month: 01-Rb1 at Tue 2019-10-29
W45	Sat 2019 <b>Nov 2</b>	Transit: Cas 21:54, Cet 00:00, Tau 01:52, CM 04:01 ** Ura 23:23, Nep 20:19 At Point Zero/RISE SET: Sun 05:40 17:47, Moon 10:29 22:54, Mrc 06:49 18:52, Vns 07:02 19:05, Mars 04:21 16:23, Jup 08:42 20:45, Strn 10:16 22:19, Ura 17:22 05:29, Nep 14:18 02:24, Plu 10:40 22:43 ** MoonPhase 31.33% ** Mrc Sets 01:04 After Sunset. ** Vns Sets 01:18 After Sunset.
W46	Sat 2019 <b>Nov 9</b>	Transit: Cas 21:27, Cet 23:28, Tau 01:25, CM 03:33 ** Ura 22:55, Nep 19:51 At Point Zero/RISE SET: Sun 05:40 17:47, Moon 15:45 03:24, Mrc 06:02 18:05, Vns 07:11 19:14, Mars 04:10 16:13, Jup 08:20 20:23, Strn 09:51 21:54, Ura 16:53 05:00, Nep 13:50 01:56, Plu 10:13 22:16 ** MoonPhase 91.08% ** Mrc Sets 00:17 After Sunset. ** Vns Sets 01:26 After Sunset. *** Full Moon: 2019-11-12 Tue 13:34 GMT, MB -3.88, MAg 0.51, SAg 0.54
W47	Sat 2019 <b>Nov 16</b>	Transit: Cas 20:59, Cet 23:01, Tau 00:57, CM 03:06 ** Ura 22:26, Nep 19:23 At Point Zero/RISE SET: Sun 05:41 17:48, Moon 21:28 08:59, Mrc 05:03 17:05, Vns 07:20 19:23, Mars 04:00 16:03, Jup 07:59 20:02, Strn 09:26 21:29, Ura 16:25 04:31, Nep 13:22 01:29, Plu 09:46 21:49 ** MoonPhase 84.02% ** Mrc Rises 00:38 Before Sunrise. ** Vns Sets 01:35 After Sunset.

W48	Sat 2019 <b>Nov 23</b>	Transit: Cas 20:32, Cet 22:33, Tau 00:30, CM 02:38 ** Ura 21:58, Nep 18:56 At Point Zero/RISE SET: Sun 05:42 17:50, Moon 02:51 15:15, Mrc 04:29 16:32, Vns 07:31 19:34, Mars 03:50 15:52, Jup 07:38 19:41, Strn 09:01 21:04, Ura 15:56 04:03, Nep 12:54 01:01, Plu 09:19 21:22 ** MoonPhase 12.73% ** Mrc Rises 01:12 Before Sunrise. ** Vns Sets 01:44 After Sunset. *** New Moon: 2019-11-26 Tue 15:05 GMT, MB 2.95, MAg 0.53, SAg 0.54 *** New Hijri Month: 01-Rb2 at Thu 2019-11-28
W49	Sat 2019 <b>Nov 30</b>	Transit: Cas 20:04, Cet 22:06, Tau 00:02, CM 02:11 ** Ura 21:29, Nep 18:28 At Point Zero/RISE SET: Sun 05:45 17:52, Moon 09:09 21:34, Mrc 04:24 16:26, Vns 07:41 19:44, Mars 03:40 15:43, Jup 07:17 19:20, Strn 08:36 20:39, Ura 15:28 03:34, Nep 12:27 00:33, Plu 08:52 20:55 ** MoonPhase 16.31% ** Mrc Rises 01:20 Before Sunrise. ** Vns Sets 01:52 After Sunset.
W50	Sat 2019 <b>Dec 7</b>	Transit: Cet 21:38, Tau 23:31, CM 01:43, Hy 03:45 ** Ura 21:01, Nep 18:01 At Point Zero/RISE SET: Sun 05:47 17:55, Moon 14:22 02:00, Mrc 04:31 16:34, Vns 07:52 19:55, Mars 03:30 15:33, Jup 06:56 18:59, Strn 08:12 20:15, Ura 15:00 03:06, Nep 11:59 00:06, Plu 08:26 20:29 ** MoonPhase 78.67% ** Mrc Rises 01:15 Before Sunrise. ** Vns Sets 02:00 After Sunset. *** Full Moon: 2019-12-12 Thu 05:12 GMT, MB -1.67, MAg 0.52, SAg 0.54
W51	Sat 2019 <b>Dec 14</b>	Transit: Cet 21:11, Tau 23:03, CM 01:16, Hy 03:18 ** Ura 20:33 At Point Zero/RISE SET: Sun 05:50 17:58, Moon 20:19 07:49, Mrc 04:45 16:48, Vns 08:02 20:05, Mars 03:21 15:24, Jup 06:35 18:38, Strn 07:47 19:50, Ura 14:31 02:38, Nep 11:32 23:35, Plu 07:59 20:02 ** MoonPhase 93.89% ** Mrc Rises 01:05 Before Sunrise. ** Vns Sets 02:06 After Sunset.
W52	Sat 2019 <b>Dec 21</b>	Transit: Cet 20:43, Tau 22:36, CM 00:48, Hy 02:50 ** Ura 20:05 At Point Zero/RISE SET: Sun 05:54 18:01, Moon 01:37 14:00, Mrc 05:02 17:05, Vns 08:11 20:14, Mars 03:12 15:15, Jup 06:15 18:18, Strn 07:23 19:26, Ura 14:03 02:10, Nep 11:05 23:07, Plu 07:33 19:35 ** MoonPhase 24.95% ** Mrc Rises 00:51 Before Sunrise. ** Vns Sets 02:12 After Sunset. *** New Moon: 2019-12-26 Thu 05:13 GMT, MB 0.39, MAg 0.52, SAg 0.54 \$** Total Solar eclipse around Longitude 101:45:00 E *** New Hijri Month: 01-Jm1 at Fri 2019-12-27
W53	Sat 2019 <b>Dec 28</b>	Transit: Cet 20:15, Tau 22:08, CM 00:21, Hy 02:22 ** Ura 19:37 At Point Zero/RISE SET: Sun 05:57 18:05, Moon 07:50 20:15, Mrc 05:21 17:24, Vns 08:19 20:22, Mars 03:04 15:07, Jup 05:54 17:57, Strn 06:59 19:02, Ura 13:35 01:42, Nep 10:38 22:40, Plu 07:06 19:09 ** MoonPhase 5.45% ** Mrc Rises 00:35 Before Sunrise. ** Vns Sets 02:17 After Sunset.