2028 Astronomical Calendar

(Ver Ref: 2019-1).

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

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

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

#	Sat's	Details
W1	Sat 2028 **Jan 1**	Transit: Tau 21:53, CM 00:05, Hy 02:07, Leo 03:40 ** Jup 05:08, Strn 18:34, Ura 21:36 At Point Zero/RISE SET: Sun 05:59 18:07, Moon 09:23 21:43, Mrc 06:48 18:51, Vns 08:25 20:28, Mars 07:13 19:16, Jup 23:03 11:09, Strn 12:33 00:40, Ura 15:35 03:42, Nep 11:27 23:30, Plu 07:51 19:54 ** MoonPhase 18.45% ** Mrc Sets 00:43 After Sunset. ** Vns Sets 02:21 After Sunset.
W2	Sat 2028 **Jan 8**	Transit: Tau 21:25, CM 23:34, Hy 01:39, Leo 03:12 ** Jup 04:41, Ura 21:08 At Point Zero/RISE SET: Sun 06:02 18:10, Moon 14:37 02:07, Mrc 07:07 19:10, Vns 08:31 20:34, Mars 07:09 19:12, Jup 22:36 10:42, Strn 12:06 00:12, Ura 15:07 03:13, Nep 11:00 23:02, Plu 07:25 19:28 ** MoonPhase 82.70% ** Mrc Sets 01:00 After Sunset. ** Vns Sets 02:24 After Sunset. *** Full Moon: 2028-01-12 Wed 04:02 GMT, MB 1.02, MAg 0.55, SAg 0.54 $** Partial Lunar eclips around Longitude 60:30:00 W
W3	Sat 2028 **Jan 15**	Transit: Tau 20:58, CM 23:06, Hy 01:12, Leo 02:45 ** Jup 04:14, Ura 20:40 At Point Zero/RISE SET: Sun 06:05 18:12, Moon 21:28 09:01, Mrc 07:20 19:23, Vns 08:36 20:39, Mars 07:04 19:07, Jup 22:08 10:15, Strn 11:39 23:42, Ura 14:38 02:45, Nep 10:33 22:35, Plu 06:58 19:01 ** MoonPhase 84.45% ** Mrc Sets 01:10 After Sunset. ** Vns Sets 02:26 After Sunset.
W4	Sat 2028 **Jan 22**	Transit: Tau 20:30, CM 22:39, Hy 00:44, Leo 02:17 ** Jup 03:46, Ura 20:11 At Point Zero/RISE SET: Sun 06:07 18:15, Moon 02:32 14:58, Mrc 07:16 19:18, Vns 08:40 20:43, Mars 06:59 19:02, Jup 21:40 09:47, Strn 11:13 23:16, Ura 14:10 02:17, Nep 10:06 22:08, Plu 06:31 18:34 ** MoonPhase 15.21% ** Mrc Sets 01:03 After Sunset. ** Vns Sets 02:28 After Sunset. *** New Moon: 2028-01-26 Wed 15:12 GMT, MB 0.34, MAg 0.49, SAg 0.54 $** Total Solar eclipse around Longitude 48:00:00 W *** New Hijri Month: 01-Rmd at Fri 2028-01-28
W5	Sat 2028 **Jan 29**	Transit: Tau 20:03, CM 22:11, Hy 00:17, Leo 01:50 ** Jup 03:17, Ura 19:43 At Point Zero/RISE SET: Sun 06:09 18:16, Moon 08:02 20:21, Mrc 06:40 18:43, Vns 08:43 20:46, Mars 06:53 18:56, Jup 21:12 09:18, Strn 10:47 22:49, Ura 13:42 01:49, Nep 09:39 21:41, Plu 06:05 18:08 ** MoonPhase 7.10% ** Mrc Sets 00:26 After Sunset. ** Vns Sets 02:29 After Sunset.
W6	Sat 2028 **Feb 5**	Transit: CM 21:43, Hy 23:45, Leo 01:22, GCen 03:44 ** Jup 02:48, Ura 19:16 At Point Zero/RISE SET: Sun 06:10 18:17, Moon 13:19 00:49, Mrc 05:40 17:43, Vns 08:46 20:48, Mars 06:47 18:50, Jup 20:43 08:49, Strn 10:21 22:24, Ura 13:14 01:21, Nep 09:12 21:14, Plu 05:38 17:41 ** MoonPhase 67.58% ** Mrc Rises 00:29 Before Sunrise. ** Vns Sets 02:31 After Sunset. *** Full Moon: 2028-02-10 Thu 15:03 GMT, MB -1.75, MAg 0.56, SAg 0.54
W7	Sat 2028 **Feb 12**	Transit: CM 21:16, Hy 23:18, Leo 00:55, GCen 03:16 ** Jup 02:18, Ura 18:48 At Point Zero/RISE SET: Sun 06:10 18:17, Moon 20:05 07:38, Mrc 04:52 16:55, Vns 08:47 20:50, Mars 06:41 18:44, Jup 20:13 08:20, Strn 09:56 21:58, Ura 12:46 00:53, Nep 08:45 20:48, Plu 05:12 17:15 ** MoonPhase 94.71% ** Mrc Rises 01:18 Before Sunrise. ** Vns Sets 02:32 After Sunset.
W8	Sat 2028 **Feb 19**	Transit: CM 20:48, Hy 22:50, Leo 00:27, GCen 02:49 ** Jup 01:48, Ura 18:20 At Point Zero/RISE SET: Sun 06:10 18:17, Moon 01:21 13:47, Mrc 04:28 16:31, Vns 08:49 20:51, Mars 06:35 18:37, Jup 19:43 07:50, Strn 09:30 21:33, Ura 12:19 00:26, Nep 08:18 20:21, Plu 04:45 16:48 ** MoonPhase 28.73% ** Mrc Rises 01:41 Before Sunrise. ** Vns Sets 02:34 After Sunset. *** New Moon: 2028-02-25 Fri 10:37 GMT, MB 2.95, MAg 0.49, SAg 0.54
W9	Sat 2028 **Feb 26**	Transit: CM 20:21, Hy 22:23, Leo 00:00, GCen 02:21 ** Jup 01:18 At Point Zero/RISE SET: Sun 06:09 18:16, Moon 06:41 19:00, Mrc 04:23 16:25, Vns 08:50 20:52, Mars 06:28 18:30, Jup 19:13 07:19, Strn 09:05 21:08, Ura 11:52 23:55, Nep 07:52 19:54, Plu 04:18 16:21 ** MoonPhase 0.99% ** Mrc Rises 01:46 Before Sunrise. ** Vns Sets 02:36 After Sunset. *** New Hijri Month: 01-Shl at Sun 2028-02-27
W10	Sat 2028 **Mar 4**	Transit: Hy 21:55, Leo 23:28, GCen 01:54, RCen 03:52 ** Jup 00:47 At Point Zero/RISE SET: Sun 06:08 18:14, Moon 12:06 $, Mrc 04:27 16:29, Vns 08:51 20:53, Mars 06:21 18:23, Jup 18:42 06:48, Strn 08:40 20:43, Ura 11:25 23:27, Nep 07:25 19:28, Plu 03:52 15:55 ** MoonPhase 51.27% ** Mrc Rises 01:41 Before Sunrise. ** Vns Sets 02:38 After Sunset.
W11	Sat 2028 **Mar 11**	Transit: Hy 21:28, Leo 23:01, GCen 01:26, RCen 03:24 ** Jup 00:16 At Point Zero/RISE SET: Sun 06:06 18:13, Moon 18:41 06:14, Mrc 04:36 16:39, Vns 08:51 20:54, Mars 06:13 18:16, Jup 18:11 06:18, Strn 08:16 20:18, Ura 10:58 23:01, Nep 06:58 19:01, Plu 03:25 15:28 ** MoonPhase 99.68% ** Mrc Rises 01:30 Before Sunrise. ** Vns Sets 02:41 After Sunset. *** Full Moon: 2028-03-11 Sat 01:05 GMT, MB -3.96, MAg 0.56, SAg 0.54
W12	Sat 2028 **Mar 18**	Transit: Hy 21:00, Leo 22:33, GCen 00:59, RCen 02:57 ** Jup 23:42 At Point Zero/RISE SET: Sun 06:04 18:11, Moon 00:08 12:34, Mrc 04:48 16:51, Vns 08:52 20:54, Mars 06:06 18:08, Jup 17:40 05:47, Strn 07:51 19:54, Ura 10:31 22:34, Nep 06:32 18:34, Plu 02:58 15:01 ** MoonPhase 44.77% ** Mrc Rises 01:15 Before Sunrise. ** Vns Sets 02:43 After Sunset.
W13	Sat 2028 **Mar 25**	Transit: Hy 20:33, Leo 22:06, GCen 00:31, RCen 02:29 ** Jup 23:11 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 05:20 17:39, Mrc 05:04 17:06, Vns 08:52 20:55, Mars 05:58 18:01, Jup 17:09 05:16, Strn 07:27 19:29, Ura 10:04 22:07, Nep 06:05 18:08, Plu 02:31 14:34 ** MoonPhase 0.45% ** Mrc Rises 00:58 Before Sunrise. ** Vns Sets 02:45 After Sunset. *** New Moon: 2028-03-26 Sun 04:31 GMT, MB 4.62, MAg 0.5, SAg 0.53 *** New Hijri Month: 01-Qdh at Mon 2028-03-27
W14	Sat 2028 **Apr 1**	Transit: Leo 21:38, GCen 00:04, RCen 02:02, Sco 03:50 ** Jup 22:40 At Point Zero/RISE SET: Sun 06:00 18:07, Moon 10:58 23:26, Mrc 05:21 17:24, Vns 08:51 20:54, Mars 05:50 17:53, Jup 16:39 04:45, Strn 07:02 19:05, Ura 09:38 21:41, Nep 05:39 17:41, Plu 02:04 14:07 ** MoonPhase 35.92% ** Mrc Rises 00:38 Before Sunrise. ** Vns Sets 02:47 After Sunset.
W15	Sat 2028 **Apr 8**	Transit: Leo 21:10, GCen 23:32, RCen 01:34, Sco 03:23 ** Jup 22:10 At Point Zero/RISE SET: Sun 05:58 18:05, Moon 17:18 04:50, Mrc 05:42 17:45, Vns 08:49 20:52, Mars 05:42 17:45, Jup 16:09 04:15, Strn 06:38 18:41, Ura 09:11 21:14, Nep 05:12 17:15, Plu 01:37 13:40 ** MoonPhase 98.73% ** Mrc Rises 00:15 Before Sunrise. ** Vns Sets 02:47 After Sunset. *** Full Moon: 2028-04-09 Sun 10:26 GMT, MB -4.97, MAg 0.55, SAg 0.53
W16	Sat 2028 **Apr 15**	Transit: Leo 20:43, GCen 23:05, RCen 01:07, Sco 02:55 ** Jup 21:40 At Point Zero/RISE SET: Sun 05:56 18:03, Moon 23:43 11:16, Mrc 06:07 18:10, Vns 08:44 20:47, Mars 05:35 17:37, Jup 15:39 03:45, Strn 06:14 18:17, Ura 08:45 20:48, Nep 04:46 16:48, Plu 01:10 13:13 ** MoonPhase 61.60% ** Mrc Sets 00:07 After Sunset. ** Vns Sets 02:44 After Sunset.
W17	Sat 2028 **Apr 22**	Transit: Leo 20:15, GCen 22:37, RCen 00:39, Sco 02:28 ** Jup 21:10 At Point Zero/RISE SET: Sun 05:55 18:01, Moon 03:58 16:18, Mrc 06:35 18:38, Vns 08:37 20:40, Mars 05:27 17:30, Jup 15:09 03:16, Strn 05:50 17:52, Ura 08:19 20:22, Nep 04:19 16:22, Plu 00:43 12:46 ** MoonPhase 5.29% ** Mrc Sets 00:36 After Sunset. ** Vns Sets 02:38 After Sunset. *** New Moon: 2028-04-24 Mon 19:46 GMT, MB 4.93, MAg 0.51, SAg 0.53 *** New Hijri Month: 01-Hjh at Wed 2028-04-26
W18	Sat 2028 **Apr 29**	Transit: Leo 19:48, GCen 22:10, RCen 00:12, Sco 02:00 ** Jup 20:42 At Point Zero/RISE SET: Sun 05:53 18:00, Moon 09:52 22:19, Mrc 06:59 19:02, Vns 08:25 20:28, Mars 05:19 17:22, Jup 14:40 02:47, Strn 05:26 17:28, Ura 07:53 19:56, Nep 03:52 15:55, Plu 00:16 12:19 ** MoonPhase 22.55% ** Mrc Sets 01:01 After Sunset. ** Vns Sets 02:27 After Sunset.
W19	Sat 2028 **May 6**	Transit: GCen 21:42, RCen 23:40, Sco 01:32, Ly 03:39 ** Jup 20:13, Plu 05:50 At Point Zero/RISE SET: Sun 05:53 18:00, Moon 15:58 03:31, Mrc 07:14 19:17, Vns 08:07 20:10, Mars 05:12 17:14, Jup 14:12 02:18, Strn 05:02 17:04, Ura 07:27 19:30, Nep 03:26 15:28, Plu 23:44 11:51 ** MoonPhase 92.83% ** Mrc Sets 01:17 After Sunset. ** Vns Sets 02:10 After Sunset. *** Full Moon: 2028-05-08 Mon 19:48 GMT, MB -4.61, MAg 0.53, SAg 0.53
W20	Sat 2028 **May 13**	Transit: GCen 21:15, RCen 23:13, Sco 01:05, Ly 03:12 ** Jup 19:45, Plu 05:22 At Point Zero/RISE SET: Sun 05:52 17:59, Moon 22:22 09:57, Mrc 07:15 19:18, Vns 07:41 19:45, Mars 05:04 17:07, Jup 13:44 01:50, Strn 04:37 16:40, Ura 07:01 19:04, Nep 02:59 15:02, Plu 23:17 11:24 ** MoonPhase 77.04% ** Mrc Sets 01:19 After Sunset. ** Vns Sets 01:45 After Sunset.
W21	Sat 2028 **May 20**	Transit: GCen 20:47, RCen 22:45, Sco 00:37, Ly 02:44 ** Jup 19:18, Plu 04:55 At Point Zero/RISE SET: Sun 05:53 18:00, Moon 02:35 14:55, Mrc 07:01 19:04, Vns 07:07 19:10, Mars 04:57 17:00, Jup 13:17 01:23, Strn 04:13 16:16, Ura 06:36 18:38, Nep 02:32 14:35, Plu 22:49 10:56 ** MoonPhase 14.93% ** Mrc Sets 01:03 After Sunset. ** Vns Sets 01:10 After Sunset. *** New Moon: 2028-05-24 Wed 08:16 GMT, MB 3.92, MAg 0.52, SAg 0.53 *** New Hijri Month: 01-Mhr at Thu 2028-05-25
W22	Sat 2028 **May 27**	Transit: GCen 20:19, RCen 22:18, Sco 00:10, Ly 02:17 ** Jup 18:51, Plu 04:27 At Point Zero/RISE SET: Sun 05:53 18:00, Moon 08:43 21:10, Mrc 06:29 18:32, Vns 06:26 18:29, Mars 04:50 16:53, Jup 12:50 00:56, Strn 03:49 15:51, Ura 06:10 18:13, Nep 02:05 14:08, Plu 22:21 10:28 ** MoonPhase 11.69% ** Mrc Sets 00:31 After Sunset. ** Vns Sets 00:28 After Sunset.
W23	Sat 2028 **Jun 3**	Transit: RCen 21:50, Sco 23:38, Ly 01:49, Cy 03:53 ** Jup 18:25, Plu 03:59 At Point Zero/RISE SET: Sun 05:54 18:01, Moon 14:43 02:16, Mrc 05:48 17:51, Vns 05:41 17:44, Mars 04:43 16:46, Jup 12:23 00:30, Strn 03:24 15:27, Ura 05:44 17:47, Nep 01:38 13:41, Plu 21:54 10:01 ** MoonPhase 83.48% ** Mrc Rises 00:06 Before Sunrise. ** Vns Rises 00:13 Before Sunrise. *** Full Moon: 2028-06-07 Wed 06:08 GMT, MB -3.07, MAg 0.52, SAg 0.53
W24	Sat 2028 **Jun 10**	Transit: RCen 21:23, Sco 23:11, Ly 01:22, Cy 03:25 ** Plu 03:31 At Point Zero/RISE SET: Sun 05:55 18:03, Moon 21:02 08:37, Mrc 05:08 17:11, Vns 04:58 17:01, Mars 04:36 16:39, Jup 11:58 00:04, Strn 03:00 15:02, Ura 05:18 17:21, Nep 01:11 13:14, Plu 21:26 09:33 ** MoonPhase 89.22% ** Mrc Rises 00:47 Before Sunrise. ** Vns Rises 00:57 Before Sunrise.
W25	Sat 2028 **Jun 17**	Transit: RCen 20:55, Sco 22:43, Ly 00:54, Cy 02:58 ** Plu 03:03 At Point Zero/RISE SET: Sun 05:57 18:04, Moon 01:11 13:32, Mrc 04:39 16:42, Vns 04:21 16:23, Mars 04:29 16:32, Jup 11:32 23:35, Strn 02:35 14:37, Ura 04:52 16:55, Nep 00:44 12:47, Plu 20:58 09:05 ** MoonPhase 28.28% ** Mrc Rises 01:17 Before Sunrise. ** Vns Rises 01:36 Before Sunrise. *** New Moon: 2028-06-22 Thu 18:27 GMT, MB 1.91, MAg 0.53, SAg 0.52
W26	Sat 2028 **Jun 24**	Transit: RCen 20:28, Sco 22:16, Ly 00:27, Cy 02:30 ** Plu 02:35 At Point Zero/RISE SET: Sun 05:58 18:06, Moon 07:31 19:58, Mrc 04:25 16:28, Vns 03:51 15:54, Mars 04:23 16:26, Jup 11:07 23:10, Strn 02:10 14:12, Ura 04:27 16:29, Nep 00:17 12:19, Plu 20:30 08:37 ** MoonPhase 3.94% ** Mrc Rises 01:33 Before Sunrise. ** Vns Rises 02:07 Before Sunrise. *** New Hijri Month: 01-Sfr at Sat 2028-06-24
W27	Sat 2028 **Jul 1**	Transit: Sco 21:48, Ly 23:55, Cy 02:03, Pic 04:20 ** Nep 05:51, Plu 02:07 At Point Zero/RISE SET: Sun 06:00 18:07, Moon 13:31 01:04, Mrc 04:25 16:28, Vns 03:29 15:31, Mars 04:16 16:19, Jup 10:43 22:46, Strn 01:45 13:47, Ura 04:01 16:04, Nep 23:46 11:52, Plu 20:02 08:09 ** MoonPhase 71.84% ** Mrc Rises 01:34 Before Sunrise. ** Vns Rises 02:31 Before Sunrise. *** Full Moon: 2028-07-06 Thu 18:10 GMT, MB -0.75, MAg 0.51, SAg 0.52 $** Partial Lunar eclips around Longitude 87:30:00 E
W28	Sat 2028 **Jul 8**	Transit: Sco 21:21, Ly 23:28, Cy 01:35, Pic 03:53 ** Nep 05:23, Plu 01:39 At Point Zero/RISE SET: Sun 06:01 18:08, Moon 19:41 07:18, Mrc 04:40 16:43, Vns 03:12 15:15, Mars 04:09 16:12, Jup 10:19 22:21, Strn 01:19 13:22, Ura 03:35 15:38, Nep 23:18 11:25, Plu 19:34 07:41 ** MoonPhase 97.02% ** Mrc Rises 01:20 Before Sunrise. ** Vns Rises 02:48 Before Sunrise.
W29	Sat 2028 **Jul 15**	Transit: Sco 20:53, Ly 23:00, Cy 01:08, Pic 03:25 ** Nep 04:56, Plu 01:11 At Point Zero/RISE SET: Sun 06:02 18:09, Moon $ 12:10, Mrc 05:08 17:11, Vns 03:01 15:04, Mars 04:03 16:06, Jup 09:55 21:58, Strn 00:54 12:56, Ura 03:09 15:12, Nep 22:51 10:57, Plu 19:06 07:13 ** MoonPhase 43.82% ** Mrc Rises 00:53 Before Sunrise. ** Vns Rises 03:00 Before Sunrise.
W30	Sat 2028 **Jul 22**	Transit: Sco 20:26, Ly 22:33, Cy 00:40, Pic 02:57 ** Nep 04:28, Plu 00:43 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 06:14 18:40, Mrc 05:44 17:47, Vns 02:54 14:57, Mars 03:56 15:59, Jup 09:32 21:34, Strn 00:28 12:30, Ura 02:43 14:45, Nep 22:23 10:30, Plu 18:37 06:44 ** MoonPhase 0.20% ** Mrc Rises 00:18 Before Sunrise. ** Vns Rises 03:08 Before Sunrise. *** New Moon: 2028-07-22 Sat 03:01 GMT, MB -0.59, MAg 0.55, SAg 0.52 $** Partial Solar eclipse around Longitude 134:45:00 E south the Equator *** New Hijri Month: 01-Rb1 at Sun 2028-07-23
W31	Sat 2028 **Jul 29**	Transit: Sco 19:58, Ly 22:05, Cy 00:13, Pic 02:30 ** Nep 04:01, Plu 00:15 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 12:21 $, Mrc 06:18 18:21, Vns 02:49 14:52, Mars 03:49 15:52, Jup 09:08 21:11, Strn 00:02 12:04, Ura 02:16 14:19, Nep 21:55 10:02, Plu 18:09 06:16 ** MoonPhase 58.51% ** Mrc Sets 00:11 After Sunset. ** Vns Rises 03:12 Before Sunrise.
W32	Sat 2028 **Aug 5**	Transit: Ly 21:38, Cy 23:41, Pic 02:02, Cas 03:45 ** Strn 05:36, Nep 03:33, Plu 23:43 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 18:22 05:59, Mrc 06:45 18:48, Vns 02:48 14:51, Mars 03:42 15:45, Jup 08:45 20:48, Strn 23:31 11:38, Ura 01:50 13:53, Nep 21:28 09:34, Plu 17:41 05:48 ** MoonPhase 99.98% ** Mrc Sets 00:39 After Sunset. ** Vns Rises 03:14 Before Sunrise. *** Full Moon: 2028-08-05 Sat 08:09 GMT, MB 1.8, MAg 0.5, SAg 0.53
W33	Sat 2028 **Aug 12**	Transit: Ly 21:10, Cy 23:14, Pic 01:35, Cas 03:18 ** Strn 05:10, Nep 03:05, Plu 23:14 At Point Zero/RISE SET: Sun 06:01 18:08, Moon 23:15 10:51, Mrc 07:05 19:08, Vns 02:48 14:51, Mars 03:34 15:37, Jup 08:23 20:25, Strn 23:04 11:11, Ura 01:23 13:26, Nep 21:00 09:06, Plu 17:13 05:20 ** MoonPhase 59.79% ** Mrc Sets 00:59 After Sunset. ** Vns Rises 03:12 Before Sunrise.
W34	Sat 2028 **Aug 19**	Transit: Ly 20:43, Cy 22:46, Pic 01:07, Cas 02:50 ** Strn 04:42, Nep 02:37, Plu 22:46 At Point Zero/RISE SET: Sun 06:00 18:06, Moon 04:53 17:20, Mrc 07:18 19:21, Vns 02:50 14:53, Mars 03:26 15:29, Jup 08:00 20:03, Strn 22:37 10:44, Ura 00:57 13:00, Nep 20:32 08:38, Plu 16:45 04:52 ** MoonPhase 1.34% ** Mrc Sets 01:14 After Sunset. ** Vns Rises 03:09 Before Sunrise. *** New Moon: 2028-08-20 Sun 10:43 GMT, MB -2.98, MAg 0.56, SAg 0.53 *** New Hijri Month: 01-Rb2 at Mon 2028-08-21
W35	Sat 2028 **Aug 26**	Transit: Ly 20:15, Cy 22:19, Pic 00:40, Cas 02:23 ** Strn 04:15, Nep 02:09, Plu 22:18 At Point Zero/RISE SET: Sun 05:58 18:04, Moon 11:11 23:38, Mrc 07:26 19:29, Vns 02:53 14:56, Mars 03:18 15:21, Jup 07:38 19:40, Strn 22:10 10:16, Ura 00:30 12:33, Nep 20:04 08:10, Plu 16:17 04:23 ** MoonPhase 43.90% ** Mrc Sets 01:24 After Sunset. ** Vns Rises 03:04 Before Sunrise.
W36	Sat 2028 **Sep 2**	Transit: Cy 21:51, Pic 00:12, Cas 01:55, Cet 03:57 ** Strn 03:47, Nep 01:41, Plu 21:50 At Point Zero/RISE SET: Sun 05:56 18:02, Moon 17:02 04:41, Mrc 07:29 19:31, Vns 02:57 15:00, Mars 03:10 15:13, Jup 07:15 19:18, Strn 21:42 09:48, Ura 00:03 12:06, Nep 19:36 07:42, Plu 15:48 03:55 ** MoonPhase 97.99% ** Mrc Sets 01:29 After Sunset. ** Vns Rises 02:58 Before Sunrise. *** Full Moon: 2028-09-03 Sun 23:47 GMT, MB 3.91, MAg 0.49, SAg 0.53
W37	Sat 2028 **Sep 9**	Transit: Cy 21:24, Pic 23:41, Cas 01:28, Cet 03:29 ** Strn 03:19, Ura 05:37, Nep 01:13, Plu 21:22 At Point Zero/RISE SET: Sun 05:53 18:00, Moon 22:00 09:35, Mrc 07:25 19:28, Vns 03:01 15:04, Mars 03:01 15:04, Jup 06:53 18:56, Strn 21:14 09:20, Ura 23:32 11:39, Nep 19:07 07:14, Plu 15:20 03:27 ** MoonPhase 74.54% ** Mrc Sets 01:28 After Sunset. ** Vns Rises 02:51 Before Sunrise.
W38	Sat 2028 **Sep 16**	Transit: Cy 20:56, Pic 23:13, Cas 01:00, Cet 03:02 ** Strn 02:50, Ura 05:10, Nep 00:44, Plu 20:54 At Point Zero/RISE SET: Sun 05:51 17:57, Moon 03:32 15:58, Mrc 07:12 19:15, Vns 03:06 15:09, Mars 02:51 14:54, Jup 06:31 18:34, Strn 20:45 08:52, Ura 23:05 11:11, Nep 18:39 06:46, Plu 14:52 02:59 ** MoonPhase 7.65% ** Mrc Sets 01:17 After Sunset. ** Vns Rises 02:44 Before Sunrise. *** New Moon: 2028-09-18 Mon 18:23 GMT, MB -4.61, MAg 0.56, SAg 0.53 *** New Hijri Month: 01-Jm1 at Wed 2028-09-20
W39	Sat 2028 **Sep 23**	Transit: Cy 20:29, Pic 22:46, Cas 00:33, Cet 02:34 ** Strn 02:22, Ura 04:42, Nep 00:16, Plu 20:26 At Point Zero/RISE SET: Sun 05:48 17:55, Moon 09:57 22:25, Mrc 06:45 18:47, Vns 03:11 15:13, Mars 02:42 14:44, Jup 06:09 18:12, Strn 20:16 08:23, Ura 22:37 10:44, Nep 18:11 06:17, Plu 14:25 02:31 ** MoonPhase 28.84% ** Mrc Sets 00:52 After Sunset. ** Vns Rises 02:37 Before Sunrise.
W40	Sat 2028 **Sep 30**	Transit: Cy 20:01, Pic 22:18, Cas 00:05, Cet 02:07 ** Strn 01:53, Ura 04:15, Nep 23:44, Plu 19:58 At Point Zero/RISE SET: Sun 05:46 17:53, Moon 15:42 03:21, Mrc 05:59 18:01, Vns 03:15 15:18, Mars 02:31 14:34, Jup 05:47 17:50, Strn 19:47 07:54, Ura 22:09 10:16, Nep 17:43 05:49, Plu 13:57 02:04 ** MoonPhase 91.10% ** Mrc Sets 00:08 After Sunset. ** Vns Rises 02:30 Before Sunrise. *** Full Moon: 2028-10-03 Tue 16:24 GMT, MB 4.96, MAg 0.49, SAg 0.53
W41	Sat 2028 **Oct 7**	Transit: Pic 21:51, Cas 23:34, Cet 01:39, Tau 03:32 ** Strn 01:23, Ura 03:47, Nep 23:16, Plu 19:30 At Point Zero/RISE SET: Sun 05:44 17:50, Moon 20:48 08:21, Mrc 05:08 17:10, Vns 03:20 15:22, Mars 02:21 14:23, Jup 05:25 17:28, Strn 19:18 07:25, Ura 21:41 09:48, Nep 17:14 05:21, Plu 13:29 01:36 ** MoonPhase 86.81% ** Mrc Rises 00:36 Before Sunrise. ** Vns Rises 02:24 Before Sunrise.
W42	Sat 2028 **Oct 14**	Transit: Pic 21:23, Cas 23:06, Cet 01:12, Tau 03:04 ** Strn 00:54, Ura 03:19, Nep 22:48, Plu 19:03 At Point Zero/RISE SET: Sun 05:42 17:49, Moon 02:12 14:37, Mrc 04:39 16:42, Vns 03:24 15:26, Mars 02:10 14:12, Jup 05:03 17:06, Strn 18:49 06:55, Ura 21:13 09:20, Nep 16:46 04:53, Plu 13:01 01:08 ** MoonPhase 18.42% ** Mrc Rises 01:03 Before Sunrise. ** Vns Rises 02:18 Before Sunrise. *** New Moon: 2028-10-18 Wed 02:56 GMT, MB -4.98, MAg 0.55, SAg 0.54 *** New Hijri Month: 01-Jm2 at Thu 2028-10-19
W43	Sat 2028 **Oct 21**	Transit: Pic 20:56, Cas 22:39, Cet 00:44, Tau 02:37 ** Strn 00:24, Ura 02:51, Nep 22:19, Plu 18:35 At Point Zero/RISE SET: Sun 05:41 17:47, Moon 08:41 21:09, Mrc 04:36 16:39, Vns 03:28 15:30, Mars 01:58 14:01, Jup 04:41 16:44, Strn 18:19 06:26, Ura 20:45 08:52, Nep 16:18 04:25, Plu 12:34 00:41 ** MoonPhase 15.05% ** Mrc Rises 01:04 Before Sunrise. ** Vns Rises 02:13 Before Sunrise.
W44	Sat 2028 **Oct 28**	Transit: Pic 20:28, Cas 22:11, Cet 00:17, Tau 02:09 ** Strn 23:51, Ura 02:22, Nep 21:51, Plu 18:08 At Point Zero/RISE SET: Sun 05:40 17:47, Moon 14:21 02:00, Mrc 04:47 16:49, Vns 03:31 15:34, Mars 01:46 13:49, Jup 04:19 16:22, Strn 17:49 05:56, Ura 20:17 08:24, Nep 15:50 03:56, Plu 12:06 00:13 ** MoonPhase 79.48% ** Mrc Rises 00:53 Before Sunrise. ** Vns Rises 02:08 Before Sunrise. *** Full Moon: 2028-11-02 Thu 09:17 GMT, MB 4.59, MAg 0.5, SAg 0.54
W45	Sat 2028 **Nov 4**	Transit: Cas 21:44, Cet 23:45, Tau 01:42, CM 03:50 ** Strn 23:21, Ura 01:54, Nep 21:23 At Point Zero/RISE SET: Sun 05:40 17:47, Moon 19:37 07:10, Mrc 05:01 17:04, Vns 03:35 15:38, Mars 01:34 13:36, Jup 03:57 16:00, Strn 17:20 05:26, Ura 19:48 07:55, Nep 15:22 03:28, Plu 11:39 23:42 ** MoonPhase 95.59% ** Mrc Rises 00:38 Before Sunrise. ** Vns Rises 02:04 Before Sunrise.
W46	Sat 2028 **Nov 11**	Transit: Cas 21:16, Cet 23:18, Tau 01:14, CM 03:23 ** Strn 22:51, Ura 01:25, Nep 20:55 At Point Zero/RISE SET: Sun 05:40 17:47, Moon 00:56 13:19, Mrc 05:17 17:20, Vns 03:40 15:42, Mars 01:21 13:23, Jup 03:35 15:37, Strn 16:50 04:57, Ura 19:20 07:27, Nep 14:54 03:00, Plu 11:12 23:15 ** MoonPhase 32.08% ** Mrc Rises 00:22 Before Sunrise. ** Vns Rises 02:00 Before Sunrise. *** New Moon: 2028-11-16 Thu 13:17 GMT, MB -3.94, MAg 0.54, SAg 0.54
W47	Sat 2028 **Nov 18**	Transit: Cas 20:48, Cet 22:50, Tau 00:47, CM 02:55 ** Strn 22:22, Ura 00:57, Nep 20:27 At Point Zero/RISE SET: Sun 05:41 17:49, Moon 07:22 19:51, Mrc 05:34 17:37, Vns 03:44 15:47, Mars 01:07 13:10, Jup 03:12 15:15, Strn 16:21 04:27, Ura 18:51 06:58, Nep 14:26 02:32, Plu 10:45 22:48 ** MoonPhase 4.86% ** Mrc Rises 00:07 Before Sunrise. ** Vns Rises 01:57 Before Sunrise. *** New Hijri Month: 01-Rjb at Sat 2028-11-18
W48	Sat 2028 **Nov 25**	Transit: Cas 20:21, Cet 22:22, Tau 00:19, CM 02:28 ** Strn 21:52, Ura 00:28, Nep 19:59 At Point Zero/RISE SET: Sun 05:43 17:50, Moon 12:57 00:36, Mrc 05:52 17:55, Vns 03:49 15:52, Mars 00:54 12:56, Jup 02:50 14:52, Strn 15:51 03:58, Ura 18:22 06:29, Nep 13:58 02:04, Plu 10:17 22:20 ** MoonPhase 63.90% ** Mrc Sets 00:04 After Sunset. ** Vns Rises 01:53 Before Sunrise.
W49	Sat 2028 **Dec 2**	Transit: Cet 21:55, Tau 23:48, CM 02:00, Hy 04:02 ** Strn 21:23, Ura 23:55, Nep 19:31 At Point Zero/RISE SET: Sun 05:46 17:53, Moon 18:25 05:56, Mrc 06:11 18:14, Vns 03:55 15:58, Mars 00:39 12:42, Jup 02:27 14:29, Strn 15:22 03:29, Ura 17:54 06:00, Nep 13:30 01:37, Plu 09:50 21:53 ** MoonPhase 99.80% ** Mrc Sets 00:20 After Sunset. ** Vns Rises 01:50 Before Sunrise. *** Full Moon: 2028-12-02 Sat 01:39 GMT, MB 2.89, MAg 0.51, SAg 0.54
W50	Sat 2028 **Dec 9**	Transit: Cet 21:27, Tau 23:20, CM 01:33, Hy 03:34 ** Strn 20:54, Ura 23:26, Nep 19:04 At Point Zero/RISE SET: Sun 05:49 17:56, Moon $ 12:05, Mrc 06:31 18:34, Vns 04:02 16:05, Mars 00:24 12:27, Jup 02:04 14:06, Strn 14:53 03:00, Ura 17:25 05:32, Nep 13:02 01:09, Plu 09:24 21:27 ** MoonPhase 47.00% ** Mrc Sets 00:37 After Sunset. ** Vns Rises 01:46 Before Sunrise.
W51	Sat 2028 **Dec 16**	Transit: Cet 21:00, Tau 22:53, CM 01:05, Hy 03:07 ** Strn 20:26, Ura 22:58, Nep 18:36 At Point Zero/RISE SET: Sun 05:52 17:59, Moon 06:05 18:32, Mrc 06:51 18:54, Vns 04:10 16:13, Mars 00:09 12:11, Jup 01:40 13:43, Strn 14:24 02:31, Ura 16:56 05:03, Nep 12:35 00:41, Plu 08:57 21:00 ** MoonPhase 0.20% ** Mrc Sets 00:54 After Sunset. ** Vns Rises 01:41 Before Sunrise. *** New Moon: 2028-12-16 Sat 02:06 GMT, MB -1.74, MAg 0.53, SAg 0.54 *** New Hijri Month: 01-Shn at Sun 2028-12-17
W52	Sat 2028 **Dec 23**	Transit: Cet 20:32, Tau 22:25, CM 00:37, Hy 02:39 ** Mars 05:54, Strn 19:57, Ura 22:29, Nep 18:09 At Point Zero/RISE SET: Sun 05:55 18:03, Moon 11:33 23:52, Mrc 07:09 19:12, Vns 04:19 16:22, Mars 23:49 11:55, Jup 01:16 13:19, Strn 13:56 02:02, Ura 16:27 04:34, Nep 12:07 00:14, Plu 08:30 20:33 ** MoonPhase 46.10% ** Mrc Sets 01:09 After Sunset. ** Vns Rises 01:36 Before Sunrise.
W53	Sat 2028 **Dec 30**	Transit: Cet 20:05, Tau 21:58, CM 00:10, Hy 02:12 ** Mars 05:37, Strn 19:29, Ura 22:00 At Point Zero/RISE SET: Sun 05:59 18:06, Moon 17:09 04:40, Mrc 07:20 19:23, Vns 04:29 16:32, Mars 23:32 11:38, Jup 00:52 12:55, Strn 13:28 01:34, Ura 15:59 04:06, Nep 11:40 23:43, Plu 08:03 20:06 ** MoonPhase 98.30% ** Mrc Sets 01:17 After Sunset. ** Vns Rises 01:29 Before Sunrise. *** Full Moon: 2028-12-31 Sun 16:48 GMT, MB 0.33, MAg 0.53, SAg 0.54 $** Total Lunar eclipse around Longitude 108:00:00 E