

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, الكلب الأكبر, الشعرى اليمانية
Hy	Hydrae, Hydrae Epsilon , 252, الشجاع, إبسلون الشجاع
Leo	Leonis, Algieba , 49, الأسد, الجبهة
GCen	Centauri, Muhlifain , 64, قنطور, جاما القنطور
RCen	Centauri, Rigil Kentaurus , 3, قنطور, رجل القنطور
Sco	Scorpii, Antares , 15, العقرب, قلب العقرب
Ly	Lyrae, Vega , 5, القيثارة, النسر الواقع
Cy	Cygni, Deneb , 19, الدجاجة, الذنب
Pi	Piscis Austrini, Fomalhaut , 18, الحوت الجنوبي, فم الحوت
Cas	Cassiopeiae, Schedar , 71, ذات الكرسي/الناقة, الصدر
Cet	Ceti, Kaffaljidhma , 277, قيطس, جاما قيطس
Tau	Tauri, Aldebaran , 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 2022 Jan 1	Transit: Tau 21:51, CM 00:03, Hy 02:05, Leo 03:38 ** Ura 19:51 At Point Zero/RISE SET: Sun 05:59 18:07, Moon 04:26 16:57, Mrc 07:14 19:17, Vns 06:50 18:53, Mars 03:58 16:01, Jup 09:23 21:26, Strn 08:09 20:12, Ura 13:49 01:56, Nep 10:37 22:39, Plu 07:05 19:07 ** MoonPhase 2.44% ** Mrc Sets 01:10 After Sunset. ** Vns Sets 00:46 After Sunset. *** New Moon: 2022-01-02 Sun 18:33 GMT, MB -3.44, MAg 0.55, SAg 0.54 *** New Hijri Month: 01-Jm2 at Tue 2022-01-04
W2	Sat 2022 Jan 8	Transit: Tau 21:23, CM 23:32, Hy 01:37, Leo 03:10 ** Ura 19:23 At Point Zero/RISE SET: Sun 06:03 18:10, Moon 11:06 23:27, Mrc 07:22 19:25, Vns 06:05 18:08, Mars 03:52 15:55, Jup 09:01 21:03, Strn 07:45 19:48, Ura 13:21 01:28, Nep 10:10 22:12, Plu 06:38 18:41 ** MoonPhase 37.37% ** Mrc Sets 01:14 After Sunset.
W3	Sat 2022 Jan 15	Transit: Tau 20:56, CM 23:04, Hy 01:10, Leo 02:43 ** Ura 18:55 At Point Zero/RISE SET: Sun 06:05 18:13, Moon 16:20 03:54, Mrc 07:06 19:09, Vns 05:20 17:23, Mars 03:46 15:49, Jup 08:39 20:41, Strn 07:21 19:23, Ura 12:54 01:00, Nep 09:43 21:45, Plu 06:11 18:14 ** MoonPhase 94.38% ** Mrc Sets 00:56 After Sunset. ** Vns Rises 00:45 Before Sunrise. *** Full Moon: 2022-01-17 Mon 23:48 GMT, MB 4.31, MAg 0.5, SAg 0.54
W4	Sat 2022 Jan 22	Transit: Tau 20:28, CM 22:36, Hy 00:42, Leo 02:15 ** Ura 18:27 At Point Zero/RISE SET: Sun 06:08 18:15, Moon 21:58 09:35, Mrc 06:16 18:19, Vns 04:40 16:43, Mars 03:41 15:44, Jup 08:17 20:20, Strn 06:56 18:59, Ura 12:26 00:33, Nep 09:16 21:18, Plu 05:45 17:48 ** MoonPhase 80.72% ** Mrc Sets 00:04 After Sunset. ** Vns Rises 01:27 Before Sunrise.
W5	Sat 2022 Jan 29	Transit: Tau 20:01, CM 22:09, Hy 00:15, Leo 01:48 At Point Zero/RISE SET: Sun 06:09 18:16, Moon 03:11 15:41, Mrc 05:15 17:18, Vns 04:08 16:10, Mars 03:35 15:38, Jup 07:56 19:58, Strn 06:32 18:35, Ura 11:59 00:05, Nep 08:49 20:52, Plu 05:18 17:21 ** MoonPhase 10.48% ** Mrc Rises 00:54 Before Sunrise. ** Vns Rises 02:01 Before Sunrise. *** New Moon: 2022-02-01 Tue 05:45 GMT, MB -4.83, MAg 0.54, SAg 0.54 *** New Hijri Month: 01-Rjb at Wed 2022-02-02
W6	Sat 2022 Feb 5	Transit: CM 21:41, Hy 23:43, Leo 01:20, GCen 03:42 At Point Zero/RISE SET: Sun 06:10 18:17, Moon 09:42 22:02, Mrc 04:37 16:40, Vns 03:44 15:46, Mars 03:30 15:33, Jup 07:34 19:37, Strn 06:08 18:11, Ura 11:31 23:34, Nep 08:22 20:25, Plu 04:52 16:55 ** MoonPhase 21.25% ** Mrc Rises 01:32 Before Sunrise. ** Vns Rises 02:26 Before Sunrise.
W7	Sat 2022 Feb 12	Transit: CM 21:14, Hy 23:16, Leo 00:52, GCen 03:14 At Point Zero/RISE SET: Sun 06:10 18:17, Moon 15:04 02:37, Mrc 04:24 16:27, Vns 03:27 15:30, Mars 03:25 15:28, Jup 07:13 19:15, Strn 05:44 17:47, Ura 11:04 23:07, Nep 07:56 19:58, Plu 04:25 16:28 ** MoonPhase 83.75% ** Mrc Rises 01:46 Before Sunrise. ** Vns Rises 02:43 Before Sunrise. *** Full Moon: 2022-02-16 Wed 16:56 GMT, MB 4.98, MAg 0.51, SAg 0.54
W8	Sat 2022 Feb 19	Transit: CM 20:46, Hy 22:48, Leo 00:25, GCen 02:47 At Point Zero/RISE SET: Sun 06:10 18:17, Moon 20:41 08:17, Mrc 04:25 16:27, Vns 03:16 15:18, Mars 03:20 15:23, Jup 06:51 18:54, Strn 05:20 17:22, Ura 10:37 22:40, Nep 07:29 19:32, Plu 03:59 16:01 ** MoonPhase 91.58% ** Mrc Rises 01:45 Before Sunrise. ** Vns Rises 02:54 Before Sunrise.

W9	Sat 2022 Feb 26	Transit: CM 20:19, Hy 22:21, Leo 23:53, GCen 02:19 At Point Zero/RISE SET: Sun 06:09 18:16, Moon 02:02 14:32, Mrc 04:33 16:35, Vns 03:09 15:11, Mars 03:14 15:17, Jup 06:30 18:33, Strn 04:55 16:58, Ura 10:11 22:13, Nep 07:02 19:05, Plu 03:32 15:35 ** MoonPhase 22.20% ** Mrc Rises 01:36 Before Sunrise. ** Vns Rises 03:00 Before Sunrise. *** New Moon: 2022-03-02 Wed 17:34 GMT, MB -4.78, MAg 0.53, SAg 0.54 *** New Hijri Month: 01-Shn at Fri 2022-03-04
W10	Sat 2022 Mar 5	Transit: Hy 21:53, Leo 23:26, GCen 01:52, RCen 03:50 At Point Zero/RISE SET: Sun 06:08 18:14, Moon 08:16 20:37, Mrc 04:45 16:48, Vns 03:05 15:08, Mars 03:09 15:12, Jup 06:09 18:12, Strn 04:31 16:34, Ura 09:44 21:47, Nep 06:36 18:38, Plu 03:05 15:08 ** MoonPhase 8.77% ** Mrc Rises 01:22 Before Sunrise. ** Vns Rises 03:02 Before Sunrise.
W11	Sat 2022 Mar 12	Transit: Hy 21:26, Leo 22:58, GCen 01:24, RCen 03:22 At Point Zero/RISE SET: Sun 06:06 18:12, Moon 13:46 01:20, Mrc 04:59 17:02, Vns 03:03 15:06, Mars 03:03 15:06, Jup 05:48 17:50, Strn 04:07 16:09, Ura 09:18 21:20, Nep 06:09 18:12, Plu 02:38 14:41 ** MoonPhase 68.94% ** Mrc Rises 01:06 Before Sunrise. ** Vns Rises 03:02 Before Sunrise. *** Full Moon: 2022-03-18 Fri 07:17 GMT, MB 4.2, MAg 0.52, SAg 0.54
W12	Sat 2022 Mar 19	Transit: Hy 20:58, Leo 22:31, GCen 00:56, RCen 02:55 At Point Zero/RISE SET: Sun 06:04 18:11, Moon 19:23 06:58, Mrc 05:16 17:19, Vns 03:03 15:06, Mars 02:57 15:00, Jup 05:26 17:29, Strn 03:42 15:45, Ura 08:51 20:54, Nep 05:43 17:45, Plu 02:11 14:14 ** MoonPhase 98.27% ** Mrc Rises 00:48 Before Sunrise. ** Vns Rises 03:00 Before Sunrise.
W13	Sat 2022 Mar 26	Transit: Hy 20:31, Leo 22:03, GCen 00:29, RCen 02:27 At Point Zero/RISE SET: Sun 06:02 18:08, Moon 00:58 13:27, Mrc 05:35 17:37, Vns 03:04 15:07, Mars 02:51 14:54, Jup 05:05 17:08, Strn 03:17 15:20, Ura 08:25 20:28, Nep 05:16 17:19, Plu 01:44 13:47 ** MoonPhase 35.73% ** Mrc Rises 00:27 Before Sunrise. ** Vns Rises 02:57 Before Sunrise. *** New Moon: 2022-04-01 Fri 06:24 GMT, MB -3.4, MAg 0.52, SAg 0.53
W14	Sat 2022 Apr 2	Transit: Leo 21:36, GCen 00:01, RCen 02:00, Sco 03:48 At Point Zero/RISE SET: Sun 06:00 18:06, Moon 06:53 19:14, Mrc 05:56 17:59, Vns 03:06 15:09, Mars 02:45 14:48, Jup 04:44 16:46, Strn 02:52 14:55, Ura 07:59 20:02, Nep 04:50 16:52, Plu 01:17 13:20 ** MoonPhase 1.64% ** Mrc Rises 00:03 Before Sunrise. ** Vns Rises 02:53 Before Sunrise. *** New Hijri Month: 01-Rmd at Sat 2022-04-02
W15	Sat 2022 Apr 9	Transit: Leo 21:08, GCen 23:30, RCen 01:32, Sco 03:20 At Point Zero/RISE SET: Sun 05:58 18:04, Moon 12:28 00:02, Mrc 06:21 18:23, Vns 03:08 15:11, Mars 02:38 14:41, Jup 04:22 16:25, Strn 02:27 14:30, Ura 07:33 19:36, Nep 04:23 16:26, Plu 00:50 12:53 ** MoonPhase 52.06% ** Mrc Sets 00:19 After Sunset. ** Vns Rises 02:49 Before Sunrise.
W16	Sat 2022 Apr 16	Transit: Leo 20:41, GCen 23:02, RCen 01:05, Sco 02:53 At Point Zero/RISE SET: Sun 05:56 18:03, Moon 18:01 05:36, Mrc 06:46 18:48, Vns 03:10 15:13, Mars 02:31 14:34, Jup 04:00 16:03, Strn 02:02 14:05, Ura 07:07 19:10, Nep 03:56 15:59, Plu 00:23 12:26 ** MoonPhase 99.89% ** Mrc Sets 00:45 After Sunset. ** Vns Rises 02:46 Before Sunrise. *** Full Moon: 2022-04-16 Sat 18:54 GMT, MB 2.27, MAg 0.54, SAg 0.53
W17	Sat 2022 Apr 23	Transit: Leo 20:13, GCen 22:35, RCen 00:37, Sco 02:25 At Point Zero/RISE SET: Sun 05:54 18:01, Moon \$ 12:21, Mrc 07:04 19:07, Vns 03:12 15:15, Mars 02:24 14:26, Jup 03:39 15:41, Strn 01:36 13:39, Ura 06:41 18:44, Nep 03:30 15:32, Plu 23:52 11:58 ** MoonPhase 49.97% ** Mrc Sets 01:06 After Sunset. ** Vns Rises 02:42 Before Sunrise.

W18	Sat 2022 Apr 30	Transit: Leo 19:46, GCen 22:07, RCen 00:10, Sco 01:58 ** Plu 05:30 At Point Zero/RISE SET: Sun 05:53 18:00, Moon 05:32 17:53, Mrc 07:11 19:14, Vns 03:14 15:17, Mars 02:16 14:19, Jup 03:17 15:19, Strn 01:10 13:13, Ura 06:15 18:18, Nep 03:03 15:05, Plu 23:24 11:31 ** MoonPhase 0.13% ** Mrc Sets 01:14 After Sunset. ** Vns Rises 02:39 Before Sunrise. *** New Moon: 2022-04-30 Sat 20:27 GMT, MB -1.11, MAg 0.5, SAg 0.53 \$** Partial Solar eclipse around Longitude 126:45:00 W south the Equator *** New Hijri Month: 01-Shl at Mon 2022-05-02
W19	Sat 2022 May 7	Transit: GCen 21:40, RCen 23:38, Sco 01:30, Ly 03:37 ** Plu 05:02 At Point Zero/RISE SET: Sun 05:53 18:00, Moon 11:11 23:34, Mrc 07:02 19:05, Vns 03:16 15:19, Mars 02:08 14:11, Jup 02:54 14:57, Strn 00:44 12:47, Ura 05:49 17:52, Nep 02:36 14:39, Plu 22:57 11:03 ** MoonPhase 35.50% ** Mrc Sets 01:05 After Sunset. ** Vns Rises 02:36 Before Sunrise.
W20	Sat 2022 May 14	Transit: GCen 21:12, RCen 23:11, Sco 01:03, Ly 03:10 ** Plu 04:34 At Point Zero/RISE SET: Sun 05:52 17:59, Moon 16:39 04:12, Mrc 06:36 18:39, Vns 03:19 15:21, Mars 02:00 14:03, Jup 02:32 14:34, Strn 00:18 12:21, Ura 05:23 17:26, Nep 02:09 14:12, Plu 22:29 10:36 ** MoonPhase 96.08% ** Mrc Sets 00:39 After Sunset. ** Vns Rises 02:33 Before Sunrise. *** Full Moon: 2022-05-16 Mon 04:13 GMT, MB -0.27, MAg 0.55, SAg 0.53 \$** Total Lunar eclipse around Longitude 63:15:00 W
W21	Sat 2022 May 21	Transit: GCen 20:45, RCen 22:43, Sco 00:35, Ly 02:42 ** Plu 04:07 At Point Zero/RISE SET: Sun 05:53 18:00, Moon 23:41 11:12, Mrc 05:57 18:00, Vns 03:21 15:24, Mars 01:52 13:55, Jup 02:09 14:12, Strn 23:47 11:54, Ura 04:57 17:00, Nep 01:42 13:45, Plu 22:01 10:08 ** MoonPhase 64.29% ** Vns Rises 02:31 Before Sunrise.
W22	Sat 2022 May 28	Transit: GCen 20:17, RCen 22:15, Sco 00:08, Ly 02:15 ** Strn 05:26, Plu 03:39 At Point Zero/RISE SET: Sun 05:53 18:00, Moon 04:14 16:35, Mrc 05:16 17:19, Vns 03:25 15:27, Mars 01:44 13:46, Jup 01:46 13:49, Strn 23:20 11:27, Ura 04:31 16:34, Nep 01:15 13:18, Plu 21:33 09:40 ** MoonPhase 3.64% ** Mrc Rises 00:37 Before Sunrise. ** Vns Rises 02:28 Before Sunrise. *** New Moon: 2022-05-30 Mon 11:29 GMT, MB 1.49, MAg 0.49, SAg 0.53 \$** Partial Solar eclipse around Longitude 07:45:00 E north the Equator *** New Hijri Month: 01-Qdh at Wed 2022-06-01
W23	Sat 2022 Jun 4	Transit: RCen 21:48, Sco 23:36, Ly 01:47, Cy 03:51 ** Strn 04:58, Plu 03:11 At Point Zero/RISE SET: Sun 05:54 18:01, Moon 09:54 22:17, Mrc 04:44 16:46, Vns 03:28 15:31, Mars 01:35 13:38, Jup 01:23 13:25, Strn 22:53 11:00, Ura 04:05 16:08, Nep 00:48 12:51, Plu 21:05 09:12 ** MoonPhase 21.14% ** Mrc Rises 01:10 Before Sunrise. ** Vns Rises 02:25 Before Sunrise.
W24	Sat 2022 Jun 11	Transit: RCen 21:20, Sco 23:09, Ly 01:20, Cy 03:23 ** Strn 04:31, Plu 02:43 At Point Zero/RISE SET: Sun 05:56 18:03, Moon 15:16 02:49, Mrc 04:25 16:28, Vns 03:33 15:36, Mars 01:27 13:29, Jup 00:59 13:01, Strn 22:25 10:32, Ura 03:39 15:42, Nep 00:21 12:23, Plu 20:37 08:44 ** MoonPhase 87.46% ** Mrc Rises 01:30 Before Sunrise. ** Vns Rises 02:22 Before Sunrise. *** Full Moon: 2022-06-14 Tue 11:51 GMT, MB -2.72, MAg 0.56, SAg 0.52
W25	Sat 2022 Jun 18	Transit: RCen 20:53, Sco 22:41, Ly 00:52, Cy 02:56 ** Strn 04:03, Nep 05:55, Plu 02:15 At Point Zero/RISE SET: Sun 05:57 18:04, Moon 22:26 09:58, Mrc 04:20 16:22, Vns 03:38 15:41, Mars 01:18 13:21, Jup 00:35 12:37, Strn 21:58 10:04, Ura 03:13 15:16, Nep 23:50 11:56, Plu 20:09 08:16 ** MoonPhase 77.83% ** Mrc Rises 01:37 Before Sunrise. ** Vns Rises 02:18 Before Sunrise.

W26	Sat 2022 Jun 25	Transit: RCen 20:25, Sco 22:14, Ly 00:25, Cy 02:28 ** Strn 03:35, Nep 05:27, Plu 01:47 At Point Zero/RISE SET: Sun 05:58 18:06, Moon 02:57 15:19, Mrc 04:27 16:30, Vns 03:45 15:47, Mars 01:09 13:12, Jup 00:10 12:13, Strn 21:29 09:36, Ura 02:47 14:49, Nep 23:22 11:29, Plu 19:41 07:48 ** MoonPhase 11.44% ** Mrc Rises 01:31 Before Sunrise. ** Vns Rises 02:13 Before Sunrise. *** New Moon: 2022-06-29 Wed 02:51 GMT, MB 3.69, MAg 0.49, SAg 0.52 *** New Hijri Month: 01-Hjh at Thu 2022-06-30
W27	Sat 2022 Jul 2	Transit: Sco 21:46, Ly 23:53, Cy 02:01, Pic 04:18 ** Jup 05:46, Strn 03:06, Nep 05:00, Plu 01:18 At Point Zero/RISE SET: Sun 06:00 18:07, Moon 08:38 21:01, Mrc 04:48 16:50, Vns 03:52 15:55, Mars 01:00 13:03, Jup 23:41 11:48, Strn 21:01 09:07, Ura 02:20 14:23, Nep 22:55 11:01, Plu 19:13 07:20 ** MoonPhase 10.08% ** Mrc Rises 01:12 Before Sunrise. ** Vns Rises 02:08 Before Sunrise.
W28	Sat 2022 Jul 9	Transit: Sco 21:19, Ly 23:26, Cy 01:33, Pic 03:50 ** Jup 05:21, Strn 02:37, Nep 04:32, Plu 00:50 At Point Zero/RISE SET: Sun 06:01 18:08, Moon 13:56 01:29, Mrc 05:19 17:22, Vns 04:00 16:03, Mars 00:51 12:54, Jup 23:15 11:22, Strn 20:32 08:39, Ura 01:54 13:57, Nep 22:27 10:33, Plu 18:45 06:52 ** MoonPhase 75.39% ** Mrc Rises 00:41 Before Sunrise. ** Vns Rises 02:01 Before Sunrise. *** Full Moon: 2022-07-13 Wed 18:37 GMT, MB -4.45, MAg 0.56, SAg 0.52
W29	Sat 2022 Jul 16	Transit: Sco 20:51, Ly 22:58, Cy 01:06, Pic 03:23 ** Jup 04:55, Strn 02:08, Nep 04:04, Plu 00:22 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 21:06 08:38, Mrc 05:57 18:00, Vns 04:08 16:11, Mars 00:42 12:45, Jup 22:49 10:56, Strn 20:03 08:10, Ura 01:27 13:30, Nep 21:59 10:06, Plu 18:17 06:24 ** MoonPhase 89.24% ** Mrc Rises 00:04 Before Sunrise. ** Vns Rises 01:53 Before Sunrise.
W30	Sat 2022 Jul 23	Transit: Sco 20:24, Ly 22:31, Cy 00:38, Pic 02:55 ** Jup 04:28, Strn 01:39, Nep 03:37, Plu 23:50 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 01:40 14:03, Mrc 06:31 18:34, Vns 04:17 16:20, Mars 00:33 12:36, Jup 22:23 10:29, Strn 19:34 07:40, Ura 01:01 13:03, Nep 21:31 09:38, Plu 17:48 05:55 ** MoonPhase 22.93% ** Mrc Sets 00:24 After Sunset. ** Vns Rises 01:45 Before Sunrise. *** New Moon: 2022-07-28 Thu 17:54 GMT, MB 4.88, MAg 0.49, SAg 0.53
W31	Sat 2022 Jul 30	Transit: Sco 19:56, Ly 22:03, Cy 00:11, Pic 02:28 ** Jup 04:01, Strn 01:10, Nep 03:09, Plu 23:22 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 07:22 19:44, Mrc 06:58 19:01, Vns 04:27 16:29, Mars 00:24 12:26, Jup 21:55 10:02, Strn 19:04 07:11, Ura 00:34 12:37, Nep 21:04 09:10, Plu 17:20 05:27 ** MoonPhase 2.88% ** Mrc Sets 00:51 After Sunset. ** Vns Rises 01:35 Before Sunrise. *** New Hijri Month: 01-Mhr at Sat 2022-07-30
W32	Sat 2022 Aug 6	Transit: Ly 21:36, Cy 23:39, Pic 02:00, Cas 03:43 ** Jup 03:33, Strn 00:40, Nep 02:41, Plu 22:53 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 12:41 00:13, Mrc 07:17 19:19, Vns 04:36 16:38, Mars 00:14 12:17, Jup 21:27 09:34, Strn 18:35 06:42, Ura 00:07 12:10, Nep 20:36 08:42, Plu 16:52 04:59 ** MoonPhase 61.52% ** Mrc Sets 01:10 After Sunset. ** Vns Rises 01:26 Before Sunrise. *** Full Moon: 2022-08-12 Fri 01:35 GMT, MB -5.01, MAg 0.55, SAg 0.53

W33	Sat 2022 Aug 13	Transit: Ly 21:08, Cy 23:12, Pic 01:33, Cas 03:16 ** Jup 03:04, Strn 00:11, Ura 05:41, Nep 02:13, Plu 22:25 At Point Zero/RISE SET: Sun 06:01 18:08, Moon 19:44 07:17, Mrc 07:29 19:31, Vns 04:44 16:47, Mars 00:04 12:06, Jup 20:59 09:05, Strn 18:05 06:12, Ura 23:36 11:42, Nep 20:08 08:14, Plu 16:24 04:31 ** MoonPhase 97.03% ** Mrc Sets 01:23 After Sunset. ** Vns Rises 01:16 Before Sunrise.
W34	Sat 2022 Aug 20	Transit: Ly 20:41, Cy 22:44, Pic 01:05, Cas 02:48 ** Mars 05:55, Jup 02:35, Strn 23:37, Ura 05:14, Nep 01:45, Plu 21:57 At Point Zero/RISE SET: Sun 05:59 18:06, Moon 00:22 12:46, Mrc 07:34 19:37, Vns 04:52 16:55, Mars 23:49 11:56, Jup 20:30 08:36, Strn 17:36 05:43, Ura 23:08 11:15, Nep 19:39 07:46, Plu 15:56 04:03 ** MoonPhase 37.47% ** Mrc Sets 01:30 After Sunset. ** Vns Rises 01:07 Before Sunrise.
W35	Sat 2022 Aug 27	Transit: Ly 20:13, Cy 22:17, Pic 00:38, Cas 02:21 ** Mars 05:44, Jup 02:06, Strn 23:08, Ura 04:46, Nep 01:16, Plu 21:29 At Point Zero/RISE SET: Sun 05:58 18:04, Moon 06:05 18:26, Mrc 07:34 19:36, Vns 04:59 17:02, Mars 23:38 11:45, Jup 20:00 08:07, Strn 17:06 05:13, Ura 22:41 10:48, Nep 19:11 07:18, Plu 15:28 03:34 ** MoonPhase 0.02% ** Mrc Sets 01:31 After Sunset. ** Vns Rises 00:58 Before Sunrise. *** New Moon: 2022-08-27 Sat 08:16 GMT, MB 4.76, MAg 0.5, SAg 0.53 *** New Hijri Month: 01-Sfr at Sun 2022-08-28
W36	Sat 2022 Sep 3	Transit: Cy 21:49, Pic 00:10, Cas 01:53, Cet 03:55 ** Mars 05:32, Jup 01:36, Strn 22:38, Ura 04:19, Nep 00:48, Plu 21:01 At Point Zero/RISE SET: Sun 05:55 18:02, Moon 11:31 23:59, Mrc 07:25 19:28, Vns 05:06 17:08, Mars 23:26 11:33, Jup 19:30 07:37, Strn 16:37 04:44, Ura 22:13 10:20, Nep 18:43 06:50, Plu 15:00 03:06 ** MoonPhase 47.16% ** Mrc Sets 01:25 After Sunset. ** Vns Rises 00:49 Before Sunrise.
W37	Sat 2022 Sep 10	Transit: Cy 21:22, Pic 23:39, Cas 01:26, Cet 03:27 ** Mars 05:19, Jup 01:05, Strn 22:09, Ura 03:51, Nep 00:20, Plu 20:33 At Point Zero/RISE SET: Sun 05:53 18:00, Moon 18:21 05:54, Mrc 07:05 19:07, Vns 05:12 17:14, Mars 23:14 11:21, Jup 19:00 07:06, Strn 16:08 04:14, Ura 21:45 09:52, Nep 18:15 06:21, Plu 14:32 02:39 ** MoonPhase 99.99% ** Mrc Sets 01:07 After Sunset. ** Vns Rises 00:41 Before Sunrise. *** Full Moon: 2022-09-10 Sat 09:58 GMT, MB -4.27, MAg 0.54, SAg 0.53
W38	Sat 2022 Sep 17	Transit: Cy 20:54, Pic 23:11, Cas 00:58, Cet 03:00 ** Mars 05:05, Jup 00:34, Strn 21:40, Ura 03:23, Nep 23:48, Plu 20:05 At Point Zero/RISE SET: Sun 05:51 17:57, Moon 23:54 11:28, Mrc 06:28 18:30, Vns 05:17 17:19, Mars 23:00 11:07, Jup 18:29 06:36, Strn 15:38 03:45, Ura 21:17 09:24, Nep 17:47 05:53, Plu 14:04 02:11 ** MoonPhase 53.95% ** Mrc Sets 00:33 After Sunset. ** Vns Rises 00:34 Before Sunrise.
W39	Sat 2022 Sep 24	Transit: Cy 20:27, Pic 22:44, Cas 00:30, Cet 02:32 ** Mars 04:50, Jup 00:04, Strn 21:11, Ura 02:55, Nep 23:20, Plu 19:37 At Point Zero/RISE SET: Sun 05:48 17:55, Moon 04:44 17:05, Mrc 05:37 17:40, Vns 05:21 17:24, Mars 22:45 10:52, Jup 17:58 06:05, Strn 15:10 03:16, Ura 20:49 08:56, Nep 17:18 05:25, Plu 13:36 01:43 ** MoonPhase 2.12% ** Mrc Rises 00:11 Before Sunrise. ** Vns Rises 00:26 Before Sunrise. *** New Moon: 2022-09-25 Sun 21:54 GMT, MB 3.38, MAg 0.51, SAg 0.53 *** New Hijri Month: 01-Rb1 at Tue 2022-09-27

W40	Sat 2022 Oct 1	Transit: Pic 22:16, Cas 00:03, Cet 02:04, Tau 03:57 ** Mars 04:34, Jup 23:29, Strn 20:42, Ura 02:26, Nep 22:51, Plu 19:10 At Point Zero/RISE SET: Sun 05:46 17:52, Moon 10:25 22:54, Mrc 04:55 16:57, Vns 05:26 17:28, Mars 22:29 10:36, Jup 17:27 05:34, Strn 14:41 02:48, Ura 20:21 08:28, Nep 16:50 04:57, Plu 13:08 01:15 ** MoonPhase 33.13% ** Mrc Rises 00:51 Before Sunrise. ** Vns Rises 00:20 Before Sunrise.
W41	Sat 2022 Oct 8	Transit: Pic 21:49, Cas 23:31, Cet 01:37, Tau 03:30 ** Mars 04:16, Jup 22:58, Strn 20:14, Ura 01:58, Nep 22:23, Plu 18:42 At Point Zero/RISE SET: Sun 05:44 17:50, Moon 16:59 04:34, Mrc 04:39 16:41, Vns 05:30 17:33, Mars 22:10 10:17, Jup 16:57 05:03, Strn 14:13 02:19, Ura 19:53 07:59, Nep 16:22 04:28, Plu 12:41 00:48 ** MoonPhase 97.69% ** Mrc Rises 01:05 Before Sunrise. ** Vns Rises 00:13 Before Sunrise. *** Full Moon: 2022-10-09 Sun 20:54 GMT, MB -2.37, MAg 0.52, SAg 0.53
W42	Sat 2022 Oct 15	Transit: Pic 21:21, Cas 23:04, Cet 01:09, Tau 03:02 ** Mars 03:55, Jup 22:27, Strn 19:46, Ura 01:30, Nep 21:55, Plu 18:15 At Point Zero/RISE SET: Sun 05:42 17:49, Moon 22:36 10:10, Mrc 04:44 16:47, Vns 05:35 17:37, Mars 21:50 09:57, Jup 16:26 04:32, Strn 13:45 01:51, Ura 19:24 07:31, Nep 15:54 04:00, Plu 12:13 00:20 ** MoonPhase 70.54% ** Mrc Rises 00:57 Before Sunrise. ** Vns Rises 00:07 Before Sunrise.
W43	Sat 2022 Oct 22	Transit: Pic 20:54, Cas 22:36, Cet 00:42, Tau 02:35 ** Mars 03:33, Jup 21:57, Strn 19:18, Ura 01:01, Nep 21:27 At Point Zero/RISE SET: Sun 05:41 17:47, Moon 03:21 15:42, Mrc 04:58 17:00, Vns 05:40 17:42, Mars 21:27 09:34, Jup 15:55 04:02, Strn 13:17 01:23, Ura 18:56 07:02, Nep 15:26 03:32, Plu 11:46 23:49 ** MoonPhase 9.69% ** Mrc Rises 00:42 Before Sunrise. ** Vns Rises 00:00 Before Sunrise. *** New Moon: 2022-10-25 Tue 10:48 GMT, MB 1.06, MAg 0.53, SAg 0.54 \$** Partial Solar eclipse around Longitude 18:00:00 E north the Equator *** New Hijri Month: 01-Rb2 at Wed 2022-10-26
W44	Sat 2022 Oct 29	Transit: Pic 20:26, Cas 22:09, Cet 00:14, Tau 02:07 ** Mars 03:07, Jup 21:27, Strn 18:51, Ura 00:32, Nep 20:59 At Point Zero/RISE SET: Sun 05:40 17:47, Moon 09:19 21:49, Mrc 05:14 17:16, Vns 05:45 17:48, Mars 21:02 09:09, Jup 15:26 03:32, Strn 12:49 00:56, Ura 18:27 06:34, Nep 14:58 03:04, Plu 11:19 23:22 ** MoonPhase 20.04% ** Mrc Rises 00:26 Before Sunrise. ** Vns Sets 00:01 After Sunset.
W45	Sat 2022 Nov 5	Transit: Cas 21:41, Cet 23:43, Tau 01:40, CM 03:48 ** Mars 02:39, Jup 20:57, Strn 18:24, Ura 00:04, Nep 20:31 At Point Zero/RISE SET: Sun 05:40 17:47, Moon 15:39 03:16, Mrc 05:30 17:32, Vns 05:52 17:55, Mars 20:33 08:40, Jup 14:56 03:03, Strn 12:22 00:29, Ura 17:58 06:05, Nep 14:30 02:36, Plu 10:51 22:54 ** MoonPhase 90.51% ** Mrc Rises 00:10 Before Sunrise. ** Vns Sets 00:08 After Sunset. *** Full Moon: 2022-11-08 Tue 11:01 GMT, MB 0.22, MAg 0.51, SAg 0.54 \$** Total Lunar eclipse around Longitude 165:15:00 W
W46	Sat 2022 Nov 12	Transit: Cas 21:14, Cet 23:15, Tau 01:12, CM 03:21 ** Mars 02:07, Jup 20:28, Strn 17:57, Ura 23:31, Nep 20:03 At Point Zero/RISE SET: Sun 05:40 17:47, Moon 21:19 08:52, Mrc 05:46 17:49, Vns 05:59 18:02, Mars 20:01 08:08, Jup 14:27 02:34, Strn 11:56 00:02, Ura 17:30 05:36, Nep 14:02 02:08, Plu 10:24 22:27 ** MoonPhase 84.93% ** Mrc Sets 00:01 After Sunset. ** Vns Sets 00:14 After Sunset.

W47	Sat 2022 Nov 19	Transit: Cas 20:46, Cet 22:48, Tau 00:45, CM 02:53 ** Mars 01:32, Jup 20:00, Ura 23:03, Nep 19:35 At Point Zero/RISE SET: Sun 05:41 17:49, Moon 01:56 14:17, Mrc 06:03 18:06, Vns 06:08 18:11, Mars 19:27 07:34, Jup 13:59 02:05, Strn 11:29 23:32, Ura 17:01 05:08, Nep 13:34 01:41, Plu 09:57 22:00 ** MoonPhase 22.46% ** Mrc Sets 00:17 After Sunset. ** Vns Sets 00:22 After Sunset. *** New Moon: 2022-11-23 Wed 22:56 GMT, MB -1.62, MAg 0.54, SAg 0.54 *** New Hijri Month: 01-Jm1 at Fri 2022-11-25
W48	Sat 2022 Nov 26	Transit: Cas 20:19, Cet 22:20, Tau 00:17, CM 02:25 ** Mars 00:55, Jup 19:32, Ura 22:34, Nep 19:08 At Point Zero/RISE SET: Sun 05:43 17:51, Moon 08:09 20:41, Mrc 06:21 18:24, Vns 06:17 18:20, Mars 18:49 06:56, Jup 13:31 01:38, Strn 11:03 23:06, Ura 16:32 04:39, Nep 13:06 01:13, Plu 09:30 21:33 ** MoonPhase 8.95% ** Mrc Sets 00:33 After Sunset. ** Vns Sets 00:29 After Sunset.
W49	Sat 2022 Dec 3	Transit: Cet 21:53, Tau 23:46, CM 01:58, Hy 04:00 ** Mars 00:16, Jup 19:05, Ura 22:05, Nep 18:40 At Point Zero/RISE SET: Sun 05:46 17:53, Moon 14:22 01:59, Mrc 06:40 18:43, Vns 06:27 18:30, Mars 18:10 06:17, Jup 13:04 01:11, Strn 10:37 22:40, Ura 16:04 04:11, Nep 12:39 00:45, Plu 09:04 21:07 ** MoonPhase 79.32% ** Mrc Sets 00:50 After Sunset. ** Vns Sets 00:37 After Sunset. *** Full Moon: 2022-12-08 Thu 04:08 GMT, MB 2.81, MAg 0.5, SAg 0.54
W50	Sat 2022 Dec 10	Transit: Cet 21:25, Tau 23:18, CM 01:30, Hy 03:32 ** Mars 23:32, Jup 18:39, Ura 21:37, Nep 18:13 At Point Zero/RISE SET: Sun 05:49 17:56, Moon 20:03 07:36, Mrc 06:59 19:02, Vns 06:38 18:41, Mars 17:31 05:38, Jup 12:38 00:44, Strn 10:12 22:14, Ura 15:35 03:42, Nep 12:11 00:18, Plu 08:37 20:40 ** MoonPhase 95.08% ** Mrc Sets 01:06 After Sunset. ** Vns Sets 00:45 After Sunset.
W51	Sat 2022 Dec 17	Transit: Cet 20:58, Tau 22:51, CM 01:03, Hy 03:05 ** Mars 22:54, Jup 18:13, Ura 21:08 At Point Zero/RISE SET: Sun 05:52 17:59, Moon 00:32 12:52, Mrc 07:15 19:18, Vns 06:49 18:52, Mars 16:52 04:59, Jup 12:12 00:18, Strn 09:46 21:49, Ura 15:07 03:14, Nep 11:44 23:47, Plu 08:10 20:13 ** MoonPhase 38.78% ** Mrc Sets 01:18 After Sunset. ** Vns Sets 00:52 After Sunset. *** New Moon: 2022-12-23 Fri 10:16 GMT, MB -3.88, MAg 0.55, SAg 0.54
W52	Sat 2022 Dec 24	Transit: Cet 20:30, Tau 22:23, CM 00:35, Hy 02:37 ** Mars 22:17, Ura 20:40 At Point Zero/RISE SET: Sun 05:55 18:03, Moon 06:55 19:26, Mrc 07:20 19:23, Vns 07:00 19:03, Mars 16:16 04:23, Jup 11:46 23:49, Strn 09:21 21:24, Ura 14:39 02:45, Nep 11:17 23:19, Plu 07:44 19:46 ** MoonPhase 1.73% ** Mrc Sets 01:19 After Sunset. ** Vns Sets 00:59 After Sunset. *** New Hijri Month: 01-Jm2 at Sat 2022-12-24
W53	Sat 2022 Dec 31	Transit: Cet 20:03, Tau 21:56, CM 00:08, Hy 02:10 ** Mars 21:43, Ura 20:12 At Point Zero/RISE SET: Sun 05:59 18:06, Moon 13:05 00:42, Mrc 07:00 19:03, Vns 07:10 19:13, Mars 15:42 03:48, Jup 11:22 23:24, Strn 08:56 20:59, Ura 14:11 02:17, Nep 10:50 22:52, Plu 07:17 19:20 ** MoonPhase 65.00% ** Mrc Sets 00:56 After Sunset. ** Vns Sets 01:06 After Sunset. *** Full Moon: 2023-01-06 Fri 23:07 GMT, MB 4.59, MAg 0.49, SAg 0.54