

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 2019 Dec 28	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.
W2	Sat 2020 Jan 4	Transit: Tau 21:41, CM 23:49, Hy 01:55, Leo 03:28 ** Ura 19:09 At Point Zero/RISE SET: Sun 06:01 18:08, Moon 12:58 00:36, Mrc 05:42 17:45, Vns 08:26 20:29, Mars 02:55 14:58, Jup 05:34 17:37, Strn 06:35 18:38, Ura 13:07 01:14, Nep 10:11 22:13, Plu 06:39 18:42 ** MoonPhase 62.32% ** Mrc Rises 00:18 Before Sunrise. ** Vns Sets 02:20 After Sunset. *** Full Moon: 2020-01-10 Fri 19:21 GMT, MB 1.05, MAg 0.54, SAg 0.54 \$** Partial Lunar eclips around Longitude 69:45:00 E
W3	Sat 2020 Jan 11	Transit: Tau 21:13, CM 23:22, Hy 01:27, Leo 03:00 ** Ura 18:41 At Point Zero/RISE SET: Sun 06:04 18:11, Moon 19:05 06:34, Mrc 06:04 18:07, Vns 08:32 20:35, Mars 02:48 14:50, Jup 05:13 17:16, Strn 06:11 18:14, Ura 12:40 00:46, Nep 09:44 21:46, Plu 06:13 18:16 ** MoonPhase 99.37% ** Vns Sets 02:23 After Sunset.
W4	Sat 2020 Jan 18	Transit: Tau 20:46, CM 22:54, Hy 01:00, Leo 02:33 ** Ura 18:14 At Point Zero/RISE SET: Sun 06:06 18:13, Moon 00:24 12:48, Mrc 06:26 18:29, Vns 08:37 20:39, Mars 02:40 14:43, Jup 04:53 16:56, Strn 05:47 17:50, Ura 12:12 00:19, Nep 09:17 21:20, Plu 05:46 17:49 ** MoonPhase 39.28% ** Mrc Sets 00:15 After Sunset. ** Vns Sets 02:25 After Sunset. *** New Moon: 2020-01-24 Fri 21:41 GMT, MB -2.29, MAg 0.5, SAg 0.54
W5	Sat 2020 Jan 25	Transit: Tau 20:18, CM 22:27, Hy 00:32, Leo 02:05 At Point Zero/RISE SET: Sun 06:08 18:15, Moon 06:32 18:56, Mrc 06:48 18:50, Vns 08:40 20:43, Mars 02:33 14:36, Jup 04:32 16:35, Strn 05:23 17:26, Ura 11:45 23:48, Nep 08:50 20:53, Plu 05:20 17:23 ** MoonPhase 0.35% ** Mrc Sets 00:35 After Sunset. ** Vns Sets 02:27 After Sunset. *** New Hijri Month: 01-Jm2 at Sun 2020-01-26
W6	Sat 2020 Feb 1	Transit: CM 21:59, Hy 00:05, Leo 01:38, GCen 03:59 At Point Zero/RISE SET: Sun 06:09 18:17, Moon 11:35 23:55, Mrc 07:06 19:09, Vns 08:43 20:46, Mars 02:26 14:29, Jup 04:11 16:14, Strn 04:59 17:02, Ura 11:18 23:21, Nep 08:23 20:26, Plu 04:53 16:56 ** MoonPhase 44.50% ** Mrc Sets 00:52 After Sunset. ** Vns Sets 02:29 After Sunset.
W7	Sat 2020 Feb 8	Transit: CM 21:32, Hy 23:33, Leo 01:10, GCen 03:32 At Point Zero/RISE SET: Sun 06:10 18:17, Moon 17:46 05:15, Mrc 07:17 19:20, Vns 08:45 20:48, Mars 02:19 14:22, Jup 03:50 15:53, Strn 04:35 16:38, Ura 10:51 22:54, Nep 07:57 19:59, Plu 04:27 16:30 ** MoonPhase 99.06% ** Mrc Sets 01:02 After Sunset. ** Vns Sets 02:30 After Sunset. *** Full Moon: 2020-02-09 Sun 07:32 GMT, MB 3.48, MAg 0.55, SAg 0.54
W8	Sat 2020 Feb 15	Transit: CM 21:04, Hy 23:06, Leo 00:43, GCen 03:04 At Point Zero/RISE SET: Sun 06:10 18:17, Moon \$ 11:36, Mrc 07:09 19:12, Vns 08:47 20:50, Mars 02:12 14:15, Jup 03:29 15:32, Strn 04:11 16:13, Ura 10:24 22:27, Nep 07:30 19:33, Plu 04:00 16:03 ** MoonPhase 54.74% ** Mrc Sets 00:54 After Sunset. ** Vns Sets 02:32 After Sunset.

W9	Sat 2020 Feb 22	Transit: CM 20:37, Hy 22:38, Leo 00:15, GCen 02:37 At Point Zero/RISE SET: Sun 06:10 18:16, Moon 05:16 17:39, Mrc 06:33 18:36, Vns 08:48 20:51, Mars 02:06 14:08, Jup 03:07 15:10, Strn 03:46 15:49, Ura 09:57 22:00, Nep 07:04 19:06, Plu 03:33 15:36 ** MoonPhase 1.23% ** Mrc Sets 00:19 After Sunset. ** Vns Sets 02:34 After Sunset. *** New Moon: 2020-02-23 Sun 15:31 GMT, MB -4.29, MAg 0.49, SAg 0.54 *** New Hijri Month: 01-Rjb at Tue 2020-02-25
W10	Sat 2020 Feb 29	Transit: CM 20:09, Hy 22:11, Leo 23:44, GCen 02:09 At Point Zero/RISE SET: Sun 06:09 18:15, Moon 10:13 22:35, Mrc 05:39 17:42, Vns 08:50 20:52, Mars 01:59 14:02, Jup 02:45 14:48, Strn 03:22 15:24, Ura 09:31 21:34, Nep 06:37 18:40, Plu 03:07 15:10 ** MoonPhase 27.94% ** Mrc Rises 00:29 Before Sunrise. ** Vns Sets 02:36 After Sunset.
W11	Sat 2020 Mar 7	Transit: Hy 21:43, Leo 23:16, GCen 01:42, RCen 03:40 At Point Zero/RISE SET: Sun 06:07 18:14, Moon 16:26 03:55, Mrc 04:54 16:57, Vns 08:51 20:53, Mars 01:53 13:55, Jup 02:23 14:26, Strn 02:57 15:00, Ura 09:04 21:07, Nep 06:11 18:13, Plu 02:40 14:43 ** MoonPhase 92.68% ** Mrc Rises 01:12 Before Sunrise. ** Vns Sets 02:39 After Sunset. *** Full Moon: 2020-03-09 Mon 17:47 GMT, MB 4.87, MAg 0.56, SAg 0.54
W12	Sat 2020 Mar 14	Transit: Hy 21:16, Leo 22:49, GCen 01:14, RCen 03:12 At Point Zero/RISE SET: Sun 06:05 18:12, Moon 22:49 10:21, Mrc 04:30 16:33, Vns 08:51 20:54, Mars 01:46 13:49, Jup 02:01 14:04, Strn 02:32 14:35, Ura 08:38 20:41, Nep 05:44 17:47, Plu 02:13 14:16 ** MoonPhase 70.24% ** Mrc Rises 01:35 Before Sunrise. ** Vns Sets 02:42 After Sunset.
W13	Sat 2020 Mar 21	Transit: Hy 20:48, Leo 22:21, GCen 00:47, RCen 02:45 At Point Zero/RISE SET: Sun 06:03 18:10, Moon 04:01 16:22, Mrc 04:21 16:24, Vns 08:52 20:55, Mars 01:39 13:42, Jup 01:38 13:41, Strn 02:07 14:10, Ura 08:12 20:15, Nep 05:17 17:20, Plu 01:46 13:49 ** MoonPhase 7.43% ** Mrc Rises 01:42 Before Sunrise. ** Vns Sets 02:45 After Sunset. *** New Moon: 2020-03-24 Tue 09:27 GMT, MB -5.01, MAg 0.49, SAg 0.53 *** New Hijri Month: 01-Shn at Thu 2020-03-26
W14	Sat 2020 Mar 28	Transit: Hy 20:21, Leo 21:54, GCen 00:19, RCen 02:17 At Point Zero/RISE SET: Sun 06:01 18:08, Moon 08:55 21:17, Mrc 04:22 16:24, Vns 08:52 20:55, Mars 01:32 13:35, Jup 01:14 13:17, Strn 01:41 13:44, Ura 07:46 19:48, Nep 04:51 16:53, Plu 01:19 13:22 ** MoonPhase 14.57% ** Mrc Rises 01:39 Before Sunrise. ** Vns Sets 02:47 After Sunset.
W15	Sat 2020 Apr 4	Transit: Leo 21:26, GCen 23:48, RCen 01:50, Sco 03:38 At Point Zero/RISE SET: Sun 05:59 18:06, Moon 15:06 02:37, Mrc 04:28 16:31, Vns 08:51 20:54, Mars 01:25 13:28, Jup 00:51 12:53, Strn 01:16 13:18, Ura 07:20 19:22, Nep 04:24 16:27, Plu 00:52 12:55 ** MoonPhase 81.61% ** Mrc Rises 01:30 Before Sunrise. ** Vns Sets 02:48 After Sunset. *** Full Moon: 2020-04-08 Wed 02:34 GMT, MB 4.83, MAg 0.56, SAg 0.53
W16	Sat 2020 Apr 11	Transit: Leo 20:58, GCen 23:20, RCen 01:22, Sco 03:11 At Point Zero/RISE SET: Sun 05:57 18:04, Moon 21:33 09:03, Mrc 04:39 16:42, Vns 08:49 20:52, Mars 01:18 13:21, Jup 00:26 12:29, Strn 00:50 12:52, Ura 06:54 18:56, Nep 03:58 16:00, Plu 00:25 12:28 ** MoonPhase 84.03% ** Mrc Rises 01:18 Before Sunrise. ** Vns Sets 02:48 After Sunset.

W17	Sat 2020 Apr 18	Transit: Leo 20:31, GCen 22:53, RCen 00:55, Sco 02:43 At Point Zero/RISE SET: Sun 05:55 18:02, Moon 02:44 15:05, Mrc 04:54 16:57, Vns 08:45 20:48, Mars 01:10 13:13, Jup 00:01 12:04, Strn 00:23 12:26, Ura 06:28 18:30, Nep 03:31 15:33, Plu 23:53 12:00 ** MoonPhase 18.00% ** Mrc Rises 01:01 Before Sunrise. ** Vns Sets 02:45 After Sunset. *** New Moon: 2020-04-23 Thu 02:25 GMT, MB -4.27, MAg 0.49, SAg 0.53 *** New Hijri Month: 01-Rmd at Fri 2020-04-24
W18	Sat 2020 Apr 25	Transit: Leo 20:03, GCen 22:25, RCen 00:27, Sco 02:15 ** Jup 05:37, Plu 05:31 At Point Zero/RISE SET: Sun 05:54 18:01, Moon 07:39 20:02, Mrc 05:14 17:16, Vns 08:37 20:40, Mars 01:03 13:05, Jup 23:32 11:39, Strn 23:53 12:00, Ura 06:02 18:04, Nep 03:04 15:07, Plu 23:26 11:33 ** MoonPhase 5.31% ** Mrc Rises 00:40 Before Sunrise. ** Vns Sets 02:39 After Sunset.
W19	Sat 2020 May 2	Transit: GCen 21:58, RCen 00:00, Sco 01:48, Ly 03:55 ** Jup 05:11, Strn 05:31, Plu 05:04 At Point Zero/RISE SET: Sun 05:53 18:00, Moon 13:50 01:22, Mrc 05:39 17:42, Vns 08:25 20:28, Mars 00:54 12:57, Jup 23:06 11:13, Strn 23:26 11:33, Ura 05:36 17:38, Nep 02:37 14:40, Plu 22:58 11:05 ** MoonPhase 68.11% ** Mrc Rises 00:14 Before Sunrise. ** Vns Sets 02:28 After Sunset. *** Full Moon: 2020-05-07 Thu 10:44 GMT, MB 3.46, MAg 0.55, SAg 0.53
W20	Sat 2020 May 9	Transit: GCen 21:30, RCen 23:28, Sco 01:20, Ly 03:28 ** Jup 04:45, Strn 05:04, Plu 04:36 At Point Zero/RISE SET: Sun 05:52 17:59, Moon 20:14 07:43, Mrc 06:10 18:13, Vns 08:06 20:09, Mars 00:46 12:48, Jup 22:39 10:46, Strn 22:59 11:05, Ura 05:10 17:12, Nep 02:10 14:13, Plu 22:31 10:38 ** MoonPhase 94.15% ** Mrc Sets 00:13 After Sunset. ** Vns Sets 02:09 After Sunset.
W21	Sat 2020 May 16	Transit: GCen 21:03, RCen 23:01, Sco 00:53, Ly 03:00 ** Jup 04:17, Strn 04:36, Plu 04:08 At Point Zero/RISE SET: Sun 05:52 17:59, Moon 01:24 13:45, Mrc 06:43 18:46, Vns 07:40 19:43, Mars 00:37 12:40, Jup 22:12 10:19, Strn 22:31 10:38, Ura 04:44 16:46, Nep 01:44 13:46, Plu 22:03 10:10 ** MoonPhase 31.89% ** Mrc Sets 00:46 After Sunset. ** Vns Sets 01:43 After Sunset. *** New Moon: 2020-05-22 Fri 17:38 GMT, MB -2.35, MAg 0.5, SAg 0.53
W22	Sat 2020 May 23	Transit: GCen 20:35, RCen 22:33, Sco 00:25, Ly 02:32 ** Jup 03:49, Strn 04:08, Plu 03:40 At Point Zero/RISE SET: Sun 05:53 18:00, Moon 06:24 18:48, Mrc 07:11 19:14, Vns 07:05 19:08, Mars 00:28 12:30, Jup 21:44 09:51, Strn 22:03 10:10, Ura 04:18 16:20, Nep 01:16 13:19, Plu 21:35 09:42 ** MoonPhase 0.58% ** Mrc Sets 01:14 After Sunset. ** Vns Sets 01:08 After Sunset. *** New Hijri Month: 01-Shl at Sun 2020-05-24
W23	Sat 2020 May 30	Transit: GCen 20:07, RCen 22:06, Sco 23:54, Ly 02:05 ** Jup 03:21, Strn 03:40, Plu 03:13 At Point Zero/RISE SET: Sun 05:54 18:01, Moon 12:37 00:10, Mrc 07:29 19:32, Vns 06:23 18:26, Mars 00:18 12:21, Jup 21:15 09:22, Strn 21:35 09:42, Ura 03:52 15:54, Nep 00:49 12:52, Plu 21:07 09:14 ** MoonPhase 54.03% ** Mrc Sets 01:31 After Sunset. ** Vns Sets 00:25 After Sunset. *** Full Moon: 2020-06-05 Fri 19:12 GMT, MB 1.21, MAg 0.54, SAg 0.53 \$** Partial Lunar eclips around Longitude 72:00:00 E
W24	Sat 2020 Jun 6	Transit: RCen 21:38, Sco 23:26, Ly 01:37, Cy 03:41 ** Jup 02:51, Strn 03:12, Plu 02:45 At Point Zero/RISE SET: Sun 05:55 18:02, Moon 18:56 06:25, Mrc 07:35 19:38, Vns 05:38 17:40, Mars 00:08 12:11, Jup 20:46 08:53, Strn 21:06 09:13, Ura 03:25 15:28, Nep 00:22 12:25, Plu 20:39 08:46 ** MoonPhase 99.35% ** Mrc Sets 01:36 After Sunset. ** Vns Rises 00:17 Before Sunrise.

W25	Sat 2020 Jun 13	Transit: RCen 21:11, Sco 22:59, Ly 01:10, Cy 03:14 ** Jup 02:22, Strn 02:43, Plu 02:16 At Point Zero/RISE SET: Sun 05:56 18:03, Moon 00:03 12:23, Mrc 07:27 19:30, Vns 04:55 16:57, Mars 23:54 12:00, Jup 20:16 08:23, Strn 20:37 08:44, Ura 02:59 15:02, Nep 23:51 11:57, Plu 20:11 08:18 ** MoonPhase 47.76% ** Mrc Sets 01:26 After Sunset. ** Vns Rises 01:01 Before Sunrise.
W26	Sat 2020 Jun 20	Transit: RCen 20:43, Sco 22:31, Ly 00:42, Cy 02:46 ** Mars 05:48, Jup 01:51, Strn 02:14, Nep 05:29, Plu 01:48 At Point Zero/RISE SET: Sun 05:57 18:05, Moon 05:07 17:32, Mrc 07:02 19:05, Vns 04:18 16:21, Mars 23:43 11:49, Jup 19:46 07:53, Strn 20:08 08:15, Ura 02:33 14:36, Nep 23:23 11:30, Plu 19:43 07:50 ** MoonPhase 0.65% ** Mrc Sets 01:00 After Sunset. ** Vns Rises 01:39 Before Sunrise. *** New Moon: 2020-06-21 Sun 06:41 GMT, MB 0.13, MAg 0.51, SAg 0.52 \$** Total Solar eclipse around Longitude 79:45:00 E *** New Hijri Month: 01-Qdh at Mon 2020-06-22
W27	Sat 2020 Jun 27	Transit: RCen 20:15, Sco 22:04, Ly 00:15, Cy 02:19 ** Mars 05:37, Jup 01:21, Strn 01:45, Nep 05:01, Plu 01:20 At Point Zero/RISE SET: Sun 05:59 18:06, Moon 11:25 23:49, Mrc 06:23 18:26, Vns 03:49 15:52, Mars 23:31 11:38, Jup 19:15 07:22, Strn 19:39 07:46, Ura 02:06 14:09, Nep 22:56 11:02, Plu 19:15 07:22 ** MoonPhase 40.32% ** Mrc Sets 00:19 After Sunset. ** Vns Rises 02:09 Before Sunrise.
W28	Sat 2020 Jul 4	Transit: Sco 21:36, Ly 23:43, Cy 01:51, Pic 04:08 ** Mars 05:25, Jup 00:50, Strn 01:15, Nep 04:33, Plu 00:52 At Point Zero/RISE SET: Sun 06:00 18:08, Moon 17:40 05:09, Mrc 05:38 17:41, Vns 03:27 15:30, Mars 23:19 11:26, Jup 18:44 06:51, Strn 19:10 07:17, Ura 01:40 13:43, Nep 22:28 10:35, Plu 18:47 06:53 ** MoonPhase 99.41% ** Mrc Rises 00:21 Before Sunrise. ** Vns Rises 02:32 Before Sunrise. *** Full Moon: 2020-07-05 Sun 04:44 GMT, MB -1.31, MAg 0.53, SAg 0.52 \$** Partial Lunar eclips around Longitude 71:00:00 W
W29	Sat 2020 Jul 11	Transit: Sco 21:09, Ly 23:16, Cy 01:24, Pic 03:41 ** Mars 05:12, Jup 00:18, Strn 00:46, Nep 04:06, Plu 00:24 At Point Zero/RISE SET: Sun 06:01 18:09, Moon 23:20 10:59, Mrc 05:01 17:03, Vns 03:12 15:14, Mars 23:07 11:13, Jup 18:13 06:20, Strn 18:40 06:47, Ura 01:13 13:16, Nep 22:00 10:07, Plu 18:18 06:25 ** MoonPhase 63.94% ** Mrc Rises 01:00 Before Sunrise. ** Vns Rises 02:49 Before Sunrise.
W30	Sat 2020 Jul 18	Transit: Sco 20:41, Ly 22:48, Cy 00:56, Pic 03:13 ** Mars 04:59, Jup 23:43, Strn 00:16, Nep 03:38, Plu 23:52 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 03:50 16:16, Mrc 04:39 16:42, Vns 03:01 15:04, Mars 22:54 11:00, Jup 17:42 05:48, Strn 18:11 06:17, Ura 00:46 12:49, Nep 21:33 09:39, Plu 17:50 05:57 ** MoonPhase 5.68% ** Mrc Rises 01:23 Before Sunrise. ** Vns Rises 03:01 Before Sunrise. *** New Moon: 2020-07-20 Mon 17:32 GMT, MB 2.55, MAg 0.53, SAg 0.52 *** New Hijri Month: 01-Hjh at Wed 2020-07-22
W31	Sat 2020 Jul 25	Transit: Sco 20:14, Ly 22:21, Cy 00:28, Pic 02:46 ** Mars 04:44, Jup 23:12, Strn 23:42, Nep 03:10, Plu 23:23 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 10:12 22:36, Mrc 04:36 16:39, Vns 02:54 14:57, Mars 22:39 10:46, Jup 17:10 05:17, Strn 17:41 05:48, Ura 00:19 12:22, Nep 21:05 09:11, Plu 17:22 05:29 ** MoonPhase 27.37% ** Mrc Rises 01:26 Before Sunrise. ** Vns Rises 03:08 Before Sunrise.

W32	Sat 2020 Aug 1	Transit: Ly 21:53, Cy 00:01, Pic 02:18, Cas 04:01 ** Mars 04:29, Jup 22:41, Strn 23:13, Ura 05:54, Nep 02:42, Plu 22:55 At Point Zero/RISE SET: Sun 06:02 18:09, Moon 16:27 03:57, Mrc 04:52 16:55, Vns 02:50 14:53, Mars 22:24 10:30, Jup 16:39 04:46, Strn 17:11 05:18, Ura 23:48 11:55, Nep 20:37 08:43, Plu 16:54 05:01 ** MoonPhase 94.84% ** Mrc Rises 01:10 Before Sunrise. ** Vns Rises 03:12 Before Sunrise. *** Full Moon: 2020-08-03 Mon 15:58 GMT, MB -3.5, MAg 0.51, SAg 0.53
W33	Sat 2020 Aug 8	Transit: Ly 21:26, Cy 23:29, Pic 01:50, Cas 03:33 ** Mars 04:13, Jup 22:10, Strn 22:43, Ura 05:26, Nep 02:14, Plu 22:27 At Point Zero/RISE SET: Sun 06:02 18:08, Moon 21:56 09:35, Mrc 05:19 17:22, Vns 02:48 14:51, Mars 22:07 10:14, Jup 16:08 04:15, Strn 16:42 04:48, Ura 23:21 11:28, Nep 20:09 08:15, Plu 16:25 04:32 ** MoonPhase 78.61% ** Mrc Rises 00:42 Before Sunrise. ** Vns Rises 03:13 Before Sunrise.
W34	Sat 2020 Aug 15	Transit: Ly 20:58, Cy 23:02, Pic 01:23, Cas 03:06 ** Mars 03:54, Jup 21:40, Strn 22:14, Ura 04:59, Nep 01:46, Plu 21:59 At Point Zero/RISE SET: Sun 06:00 18:07, Moon 02:31 14:58, Mrc 05:50 17:53, Vns 02:49 14:52, Mars 21:49 09:56, Jup 15:38 03:45, Strn 16:12 04:19, Ura 22:54 11:00, Nep 19:41 07:47, Plu 15:57 04:04 ** MoonPhase 15.48% ** Mrc Rises 00:10 Before Sunrise. ** Vns Rises 03:11 Before Sunrise. *** New Moon: 2020-08-19 Wed 02:41 GMT, MB 4.34, MAg 0.54, SAg 0.53 *** New Hijri Month: 01-Mhr at Thu 2020-08-20
W35	Sat 2020 Aug 22	Transit: Ly 20:31, Cy 22:34, Pic 00:55, Cas 02:38 ** Mars 03:35, Jup 21:10, Strn 21:44, Ura 04:32, Nep 01:18, Plu 21:31 At Point Zero/RISE SET: Sun 05:59 18:05, Moon 08:57 21:21, Mrc 06:17 18:19, Vns 02:51 14:54, Mars 21:29 09:36, Jup 15:08 03:15, Strn 15:43 03:50, Ura 22:26 10:33, Nep 19:12 07:19, Plu 15:29 03:36 ** MoonPhase 15.65% ** Mrc Sets 00:13 After Sunset. ** Vns Rises 03:07 Before Sunrise.
W36	Sat 2020 Aug 29	Transit: Ly 20:03, Cy 22:07, Pic 00:28, Cas 02:11 ** Mars 03:12, Jup 20:40, Strn 21:15, Ura 04:04, Nep 00:50, Plu 21:03 At Point Zero/RISE SET: Sun 05:57 18:03, Moon 15:16 02:48, Mrc 06:37 18:40, Vns 02:54 14:57, Mars 21:07 09:14, Jup 14:39 02:46, Strn 15:14 03:21, Ura 21:58 10:05, Nep 18:44 06:51, Plu 15:01 03:08 ** MoonPhase 86.34% ** Mrc Sets 00:36 After Sunset. ** Vns Rises 03:02 Before Sunrise. *** Full Moon: 2020-09-02 Wed 05:21 GMT, MB -4.81, MAg 0.5, SAg 0.53
W37	Sat 2020 Sep 5	Transit: Cy 21:39, Pic 00:00, Cas 01:43, Cet 03:45 ** Mars 02:48, Jup 20:12, Strn 20:47, Ura 03:36, Nep 00:21, Plu 20:35 At Point Zero/RISE SET: Sun 05:55 18:01, Moon 20:34 08:13, Mrc 06:52 18:55, Vns 02:58 15:01, Mars 20:43 08:49, Jup 14:10 02:17, Strn 14:45 02:52, Ura 21:31 09:37, Nep 18:16 06:23, Plu 14:33 02:40 ** MoonPhase 90.23% ** Mrc Sets 00:53 After Sunset. ** Vns Rises 02:56 Before Sunrise.
W38	Sat 2020 Sep 12	Transit: Cy 21:12, Pic 23:29, Cas 01:16, Cet 03:17 ** Mars 02:21, Jup 19:44, Strn 20:18, Ura 03:08, Nep 23:49, Plu 20:07 At Point Zero/RISE SET: Sun 05:52 17:59, Moon 01:13 13:40, Mrc 07:03 19:06, Vns 03:02 15:05, Mars 20:16 08:22, Jup 13:42 01:49, Strn 14:17 02:24, Ura 21:03 09:09, Nep 17:48 05:54, Plu 14:05 02:12 ** MoonPhase 29.18% ** Mrc Sets 01:07 After Sunset. ** Vns Rises 02:49 Before Sunrise. *** New Moon: 2020-09-17 Thu 10:59 GMT, MB 5.02, MAg 0.55, SAg 0.53 *** New Hijri Month: 01-Sfr at Fri 2020-09-18

W39	Sat 2020 Sep 19	Transit: Cy 20:44, Pic 23:01, Cas 00:48, Cet 02:50 ** Mars 01:51, Jup 19:17, Strn 19:50, Ura 02:40, Nep 23:21, Plu 19:39 At Point Zero/RISE SET: Sun 05:50 17:56, Moon 07:38 20:03, Mrc 07:11 19:14, Vns 03:07 15:10, Mars 19:46 07:52, Jup 13:15 01:22, Strn 13:49 01:55, Ura 20:34 08:41, Nep 17:20 05:26, Plu 13:38 01:44 ** MoonPhase 6.20% ** Mrc Sets 01:17 After Sunset. ** Vns Rises 02:42 Before Sunrise.
W40	Sat 2020 Sep 26	Transit: Cy 20:17, Pic 22:34, Cas 00:21, Cet 02:22 ** Mars 01:18, Jup 18:50, Strn 19:22, Ura 02:11, Nep 22:53, Plu 19:11 At Point Zero/RISE SET: Sun 05:47 17:54, Moon 14:06 01:39, Mrc 07:16 19:19, Vns 03:11 15:14, Mars 19:13 07:20, Jup 12:49 00:55, Strn 13:21 01:28, Ura 20:06 08:13, Nep 16:51 04:58, Plu 13:10 01:17 ** MoonPhase 74.45% ** Mrc Sets 01:24 After Sunset. ** Vns Rises 02:35 Before Sunrise. *** Full Moon: 2020-10-01 Thu 21:05 GMT, MB -4.84, MAg 0.49, SAg 0.53
W41	Sat 2020 Oct 3	Transit: Pic 22:06, Cas 23:49, Cet 01:55, Tau 03:47 ** Mars 00:43, Jup 18:24, Strn 18:55, Ura 01:43, Nep 22:25, Plu 18:44 At Point Zero/RISE SET: Sun 05:45 17:52, Moon 19:13 06:52, Mrc 07:16 19:18, Vns 03:16 15:19, Mars 18:38 06:45, Jup 12:23 00:29, Strn 12:53 01:00, Ura 19:38 07:44, Nep 16:23 04:30, Plu 12:42 00:49 ** MoonPhase 97.63% ** Mrc Sets 01:26 After Sunset. ** Vns Rises 02:29 Before Sunrise.
W42	Sat 2020 Oct 10	Transit: Pic 21:39, Cas 23:22, Cet 01:27, Tau 03:20 ** Mars 00:07, Jup 17:59, Strn 18:28, Ura 01:15, Nep 21:56, Plu 18:16 At Point Zero/RISE SET: Sun 05:43 17:50, Moon \$ 12:24, Mrc 07:07 19:10, Vns 03:20 15:23, Mars 18:02 06:09, Jup 11:57 00:04, Strn 12:26 00:33, Ura 19:09 07:16, Nep 15:55 04:02, Plu 12:15 00:22 ** MoonPhase 45.13% ** Mrc Sets 01:19 After Sunset. ** Vns Rises 02:23 Before Sunrise. *** New Moon: 2020-10-16 Fri 19:30 GMT, MB 4.34, MAg 0.56, SAg 0.54
W43	Sat 2020 Oct 17	Transit: Pic 21:11, Cas 22:54, Cet 01:00, Tau 02:52 ** Mars 23:27, Strn 18:01, Ura 00:46, Nep 21:28, Plu 17:49 At Point Zero/RISE SET: Sun 05:41 17:48, Moon 06:15 18:41, Mrc 06:41 18:44, Vns 03:24 15:27, Mars 17:26 05:32, Jup 11:33 23:36, Strn 11:59 00:06, Ura 18:41 06:47, Nep 15:27 03:33, Plu 11:47 23:50 ** MoonPhase 0.72% ** Mrc Sets 00:55 After Sunset. ** Vns Rises 02:17 Before Sunrise. *** New Hijri Month: 01-Rb1 at Sun 2020-10-18
W44	Sat 2020 Oct 24	Transit: Pic 20:44, Cas 22:27, Cet 00:32, Tau 02:25 ** Mars 22:51, Ura 00:17, Nep 21:00 At Point Zero/RISE SET: Sun 05:40 17:47, Moon 12:54 00:27, Mrc 05:52 17:55, Vns 03:28 15:30, Mars 16:50 04:57, Jup 11:08 23:11, Strn 11:33 23:36, Ura 18:12 06:19, Nep 14:59 03:05, Plu 11:20 23:23 ** MoonPhase 59.67% ** Mrc Sets 00:07 After Sunset. ** Vns Rises 02:12 Before Sunrise.
W45	Sat 2020 Oct 31	Transit: Pic 20:16, Cas 21:59, Cet 00:05, Tau 01:57 ** Mars 22:17, Ura 23:45, Nep 20:32 At Point Zero/RISE SET: Sun 05:40 17:47, Moon 17:53 05:32, Mrc 04:58 17:01, Vns 03:32 15:34, Mars 16:16 04:23, Jup 10:45 22:48, Strn 11:07 23:10, Ura 17:43 05:50, Nep 14:31 02:37, Plu 10:53 22:56 ** MoonPhase 99.99% ** Mrc Rises 00:41 Before Sunrise. ** Vns Rises 02:08 Before Sunrise. *** Full Moon: 2020-10-31 Sat 14:49 GMT, MB -3.46, MAg 0.49, SAg 0.54
W46	Sat 2020 Nov 7	Transit: Cas 21:32, Cet 23:33, Tau 01:30, CM 03:38 ** Mars 21:46, Ura 23:16, Nep 20:04 At Point Zero/RISE SET: Sun 05:40 17:47, Moon 23:39 11:11, Mrc 04:31 16:34, Vns 03:36 15:38, Mars 15:44 03:51, Jup 10:22 22:25, Strn 10:41 22:44, Ura 17:15 05:21, Nep 14:03 02:10, Plu 10:26 22:29 ** MoonPhase 61.31% ** Mrc Rises 01:08 Before Sunrise. ** Vns Rises 02:04 Before Sunrise.

W47	Sat 2020 Nov 14	Transit: Cas 21:04, Cet 23:06, Tau 01:02, CM 03:11 ** Mars 21:16, Ura 22:48, Nep 19:37 At Point Zero/RISE SET: Sun 05:41 17:48, Moon 04:52 17:19, Mrc 04:29 16:32, Vns 03:40 15:42, Mars 15:15 03:22, Jup 09:59 22:02, Strn 10:15 22:18, Ura 16:46 04:53, Nep 13:35 01:42, Plu 09:59 22:02 ** MoonPhase 0.79% ** Mrc Rises 01:11 Before Sunrise. ** Vns Rises 02:00 Before Sunrise. *** New Moon: 2020-11-15 Sun 05:07 GMT, MB 2.39, MAg 0.56, SAg 0.54 *** New Hijri Month: 01-Rb2 at Mon 2020-11-16
W48	Sat 2020 Nov 21	Transit: Cas 20:36, Cet 22:38, Tau 00:35, CM 02:43 ** Mars 20:50, Ura 22:19, Nep 19:09 At Point Zero/RISE SET: Sun 05:42 17:49, Moon 11:37 \$, Mrc 04:38 16:41, Vns 03:45 15:47, Mars 14:48 02:55, Jup 09:37 21:39, Strn 09:50 21:53, Ura 16:18 04:24, Nep 13:08 01:14, Plu 09:32 21:35 ** MoonPhase 42.94% ** Mrc Rises 01:03 Before Sunrise. ** Vns Rises 01:57 Before Sunrise.
W49	Sat 2020 Nov 28	Transit: Cas 20:09, Cet 22:11, Tau 00:07, CM 02:16 ** Mars 20:25, Ura 21:50, Nep 18:41 At Point Zero/RISE SET: Sun 05:44 17:51, Moon 16:34 04:12, Mrc 04:53 16:56, Vns 03:50 15:53, Mars 14:24 02:30, Jup 09:15 21:17, Strn 09:25 21:28, Ura 15:49 03:56, Nep 12:40 00:47, Plu 09:05 21:08 ** MoonPhase 96.74% ** Mrc Rises 00:51 Before Sunrise. ** Vns Rises 01:53 Before Sunrise. *** Full Moon: 2020-11-30 Mon 09:29 GMT, MB -1.02, MAg 0.5, SAg 0.54 \$** Partial Lunar eclips around Longitude 142:15:00 W
W50	Sat 2020 Dec 5	Transit: Cet 21:43, Tau 23:36, CM 01:48, Hy 03:50 ** Mars 20:03, Ura 21:22, Nep 18:14 At Point Zero/RISE SET: Sun 05:47 17:54, Moon 22:28 10:01, Mrc 05:09 17:12, Vns 03:56 15:59, Mars 14:01 02:08, Jup 08:53 20:56, Strn 09:00 21:03, Ura 15:21 03:27, Nep 12:13 00:19, Plu 08:38 20:41 ** MoonPhase 76.04% ** Mrc Rises 00:37 Before Sunrise. ** Vns Rises 01:50 Before Sunrise.
W51	Sat 2020 Dec 12	Transit: Cet 21:15, Tau 23:08, CM 01:21, Hy 03:22 ** Mars 19:42, Ura 20:54 At Point Zero/RISE SET: Sun 05:50 17:57, Moon 03:31 15:58, Mrc 05:28 17:31, Vns 04:04 16:06, Mars 13:41 01:47, Jup 08:31 20:34, Strn 08:35 20:38, Ura 14:52 02:59, Nep 11:45 23:48, Plu 08:12 20:15 ** MoonPhase 6.71% ** Mrc Rises 00:21 Before Sunrise. ** Vns Rises 01:46 Before Sunrise. *** New Moon: 2020-12-14 Mon 16:16 GMT, MB -0.3, MAg 0.55, SAg 0.54 \$** Total Solar eclipse around Longitude 64:00:00 W *** New Hijri Month: 01-Jm1 at Wed 2020-12-16
W52	Sat 2020 Dec 19	Transit: Cet 20:48, Tau 22:41, CM 00:53, Hy 02:55 ** Mars 19:23, Ura 20:25 At Point Zero/RISE SET: Sun 05:53 18:01, Moon 10:17 22:39, Mrc 05:48 17:51, Vns 04:12 16:15, Mars 13:22 01:28, Jup 08:10 20:13, Strn 08:11 20:14, Ura 14:24 02:31, Nep 11:18 23:21, Plu 07:45 19:48 ** MoonPhase 26.20% ** Mrc Rises 00:04 Before Sunrise. ** Vns Rises 01:41 Before Sunrise.
W53	Sat 2020 Dec 26	Transit: Cet 20:20, Tau 22:13, CM 00:26, Hy 02:27 ** Mars 19:05, Ura 19:57 At Point Zero/RISE SET: Sun 05:57 18:04, Moon 15:14 02:51, Mrc 06:10 18:13, Vns 04:21 16:24, Mars 13:04 01:10, Jup 07:49 19:52, Strn 07:47 19:49, Ura 13:56 02:03, Nep 10:51 22:53, Plu 07:19 19:21 ** MoonPhase 87.77% ** Mrc Sets 00:08 After Sunset. ** Vns Rises 01:35 Before Sunrise. *** Full Moon: 2020-12-30 Wed 03:28 GMT, MB 1.72, MAg 0.51, SAg 0.54