

## 2020

( See Ref. 2019.1.)

## Astronomical Calendar

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 Mean Angular Diameter, which varies between 0.49 to 0.557 degrees (avg 0.523).

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

**Hijri Months:** **Mhr** (Muharram), **Srf**(Safar), **Rbi**(Rabi Awwal), **Rbz** (Rabi Thani), **Jm1** (Jumada Awwal), **Jm2** (Jumada Thani), **Hrb** (Rajab), **Shn** (Shaban), **Rmd** (Ramadan), **Shi** (Shiwa'wal), **Qdh** (Zul Qadiah), **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 fallop criteria, and 91% of SAAO criteria (the most widely recognized criteria for crescent sighting).

For more info: "The Rule of 29" at www.omr-minmd.volsite.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.

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|------------|---|---------------------------|
| <b>#</b>   | <b>Constellation</b> , <b>Star Name</b> , <b>Brightest Star</b> , <b>Arabic Name</b>        | <b>Arabic Name</b>        |
| <b>CM</b>  | Canis Majoris, <b>Sinuis</b> , 1. <b>Alkadir</b> , 2. <b>Alkhaibar</b> , 3. <b>Alkayman</b> | الكبير, الكاثير, الكايمان |
| <b>Hy</b>  | Hydrae, <b>Hydrae Epistola</b> , 252. <b>Alkhatayn</b> , 253. <b>Alkhatayn</b>              | الحاتين, الحاتين          |
| <b>Leo</b> | Leonis, <b>Algebra</b> , 49. <b>Aljoudi</b> , 49. <b>Aljoudi</b>                            | الجودي, الجودي            |
| <b>Rcm</b> | Centauri, <b>Rigil Kentaurus</b> , 3. <b>Alnilam</b> , 3. <b>Alnilam</b>                    | النيلام, ريجل الكنتور     |
| <b>Scp</b> | Scorpii, <b>Antares</b> , 15. <b>Alnair</b> , 15. <b>Alnair</b>                             | النير, النير              |
| <b>Ly</b>  | Lyrae, <b>Vega</b> , 5. <b>Albireo</b> , 11. <b>Albireo</b>                                 | البيريو, البيريو          |
| <b>Cy</b>  | Cygni, <b>Deneb</b> , 7. <b>Alkaid</b> , 7. <b>Alkaid</b>                                   | الكيد, الكيد              |
| <b>Pi</b>  | Picis Auctorni, <b>Fomalhaut</b> , 18. <b>Alnair</b> , 18. <b>Alnair</b>                    | النير, النير              |
| <b>Cas</b> | Cassiopeiae, <b>Schedar</b> , 71. <b>Alkaid</b> , 71. <b>Alkaid</b>                         | الكيد, الكيد              |
| <b>Cet</b> | Ceti, <b>Kafarjehanna</b> , 277. <b>Alkaid</b> , 277. <b>Alkaid</b>                         | الكيد, الكيد              |
| <b>Tau</b> | Tauri, <b>Aldebaran</b> , 14. <b>Alkaid</b> , 14. <b>Alkaid</b>                             | الكيد, الكيد              |

**Mrc:** Mercury, **Vns:** Venus, **Mars:** Jupiter, **Sat:** Saturn, **Ura:** Uranus, **Nep:** Neptune,

**Plu:** Pluto.

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| <b>#</b>  | <b>Sat's</b>           | <b>Details</b>   |
| <b>W1</b> | Sat 2020 <b>Dec 28</b> | Transit: Cet 20:15, Tau 22:08, CM 00:21, Hy 02:22 ** Ura 19:37 <p>At Point Zero/RISE SET: Sun 06:10 18:16, 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, Strm 06:59 19:02, Ura 13:35 01:42, Nep 10:38 22:40, Plu 07:00 19:09 ** MoonPhase 5.4%</p> <p>** Mrc Rises 00:35 Before Sunrise. ** Vns Sets 02:21 After Sunset. <p>*** New Hijri Month: 2020-03-Rfb at Thu 2020-02-25</p></p>  |
| <b>W2</b> | Sat 2020 <b>Jan 4</b>  | Transit: Tau 21:41, CM 23:49, Hy 01:55, Leo 03:28 ** Ura 19:09 <p>At Point Zero/RISE SET: Sun 06:01 18:08, Moon 12:58 00:36, Mrc 05:42 17:45, Vns 08:10 20:29, Mars 02:55 14:58, Jup 05:34 17:37, Strm 06:35 18:38, Ura 13:07 01:14, Nep 10:11 22:13, Plu 06:39 18:42 ** MoonPhase 62.32%</p> <p>** Mrc Rises 00:18 Before Sunrise. ** Vns Sets 02:20 After Sunset. <p>*** Full Moon: 2020-01-10 Fri 19:21 GMT, MB 1.05, Mag 0.54, Sag 0.54 <p>*** Partial Lunar eclips around Longitude 69:45:00 E</p></p></p>  |
| <b>W3</b> | Sat 2020 <b>Jan 11</b> | Transit: Tau 21:13, CM 23:22, Hy 01:27, Leo 03:00 ** Ura 18:41 <p>At Point Zero/RISE SET: Sun 06:04 18:11, Moon 19:05 06:34, Mrc 06:04 18:07, Vns 08:32 20:53, Mars 02:48 14:50, Jup 05:13 17:16, Strm 06:11 18:14, Ura 12:40 00:46, Nep 09:44 21:46, Plu 06:13 18:16 ** MoonPhase 99.37%</p> <p>** Vns Sets 02:23 After Sunset.</p>   |
| <b>W4</b> | Sat 2020 <b>Jan 18</b> | Transit: Tau 20:46, CM 22:54, Hy 01:00, Leo 02:33 ** Ura 18:14 <p>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, Strm 05:47 17:50, Ura 12:12 00:19, Nep 09:17 21:20, Plu 05:46 17:49 ** MoonPhase 39.28%</p> <p>** Mrc Sets 00:15 After Sunset. ** Vns Sets 02:25 After Sunset. <p>*** New Moon: 2020-01-24 Fri 21:41 GMT, MB -2.29, Mag 0.5, Sag 0.54</p></p>  |
| <b>W5</b> | Sat 2020 <b>Jan 25</b> | Transit: Tau 20:18, CM 22:27, Hy 00:32, Leo 02:05 <p>At Point Zero/RISE SET: Sun 06:08 18:15, Moon 06:32 18:56, Mrc 06:48 18:50, Vns 08:40 20:48, Mars 02:33 14:36, Jup 04:32 16:35, Strm 05:23 17:26, Ura 11:45 23:48, Nep 08:50 20:53, Plu 05:20 17:23 ** MoonPhase 0.35%</p> <p>** Mrc Sets 00:35 After Sunset. ** Vns Sets 02:27 After Sunset. <p>*** New Hijri Month: 01-Jm2 at Sun 2020-01-26</p></p>  |
| <b>W6</b> | Sat 2020 <b>Feb 1</b>  | Transit: CM 21:59, Hy 00:05, Leo 01:38, Gcen 03:59 <p>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, Strm 04:59 17:02, Ura 11:18 23:21, Nep 08:23 20:26, Plu 04:53 16:56 ** MoonPhase 44.50%</p> <p>** Mrc Sets 00:52 After Sunset. ** Vns Sets 02:29 After Sunset.</p>   |
| <b>W7</b> | Sat 2020 <b>Feb 8</b>  | Transit: CM 21:32, Hy 23:33, Leo 01:10, Gcen 03:32 <p>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, Strm 04:35 16:38, Ura 10:51 22:54, Nep 07:57 19:59, Plu 04:27 16:30 ** MoonPhase 99.06%</p> <p>** Mrc Sets 01:02 After Sunset. ** Vns Sets 02:30 After Sunset. <p>*** Full Moon: 2020-02-09 Sun 07:32 GMT, MB 3.48, Mag 0.55, Sag 0.54 <p>*** Full Moon: 2020-02-09 Sun 07:32 GMT, MB 3.48, Mag 0.55, Sag 0.54</p></p></p> |
| <b>W8</b> | Sat 2020 <b>Feb 15</b> | Transit: CM 21:04, Hy 23:06, Leo 00:43, Gcen 03:04 <p>At Point Zero/RISE SET: Sun 06:10 18:17, Moon 5:11:36, Mrc 07:07 19:12, Vns 08:47 20:50, Mars 02:12 14:15, Jup 03:29 15:32, Strm 04:11 16:13, Ura 10:24 22:27, Nep 07:30 19:33, Plu 04:00 16:03 ** MoonPhase 54.74%</p> <p>** Mrc Sets 00:54 After Sunset. ** Vns Sets 02:32 After Sunset.</p>   |

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| <b>W9</b>  | Sat 2020 <b>Feb 22</b> | Transit: CM 20:37, Hy 22:38, Leo 00:15, Gcen 02:37 <p>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, Strm 03:46 15:49, Ura 09:57 22:00, Nep 07:04 19:06, Plu 03:33 15:36 ** MoonPhase 1.23%</p> <p>** Mrc Sets 00:19 After Sunset. ** Vns Sets 02:34 After Sunset. <p>*** New Hijri Month: 2020-04-23 Thu 15:31 GMT, MB -4.29, Mag 0.49, Sag 0.54 <p>*** New Hijri Month: 2020-03-Rfb at Thu 2020-02-25</p></p></p> |
| <b>W10</b> | Sat 2020 <b>Feb 29</b> | Transit: CM 20:09, Hy 22:11, Leo 00:29 <p>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, Strm 03:22 15:24, Ura 09:31 21:34, Nep 06:37 18:40, Plu 03:07 15:10 ** MoonPhase 27.94%</p> <p>** Mrc Rises 00:29 Before Sunrise. ** Vns Sets 02:36 After Sunset.</p>  |
| <b>W11</b> | Sat 2020 <b>Mar 7</b>  | Transit: Hy 21:43, Leo 23:16, Gcen 01:42, Rcen 03:40 <p>At Point Zero/RISE SET: Sun 05:53 18:00, Moon 16:26 03:55, Mrc 04:54 16:57, Vns 08:51 20:53, Mars 02:40 14:43 ** MoonPhase 92.68%</p> <p>** Mrc Rises 01:13 Before Sunrise. ** Vns Sets 02:39 After Sunset. <p>*** Full Moon: 2020-03-09 Mon 17:47 GMT, MB 4.87, Mag 0.56, Sag 0.54</p></p>  |
| <b>W12</b> | Sat 2020 <b>Mar 14</b> | Transit: Hy 21:16, Leo 22:49, Gcen 01:14, Rcen 03:12 <p>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, Strm 02:32 14:35, Ura 08:38 20:41, Nep 05:44 17:47, Plu 02:13 14:16 ** MoonPhase 70.24%</p> <p>** Mrc Rises 01:13 Before Sunrise. ** Vns Sets 02:42 After Sunset.</p>  |
| <b>W13</b> | Sat 2020 <b>Mar 21</b> | Transit: Hy 20:48, Leo 22:21, Gcen 00:47, Rcen 02:45 <p>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, Strm 02:07 14:10, Ura 08:12 20:15, Nep 05:17 17:20, Plu 01:46 13:49 ** MoonPhase 7.43%</p> <p>** Mrc Rises 01:42 Before Sunrise. ** Vns Sets 02:45 After Sunset. <p>*** New Moon: 2020-03-24 Tue 09:27 GMT, MB -5.01, Mag 0.49, Sag 0.53 <p>*** New Hijri Month: 03-Sha at Thu 2020-03-26</p></p></p>        |
| <b>W14</b> | Sat 2020 <b>Mar 28</b> | Transit: Hy 20:21, Leo 21:54, Gcen 00:19, Rcen 02:17 <p>At Point Zero/RISE SET: Sun 06:01 18:08, Moon 08:55 51:17, Mrc 04:22 16:24, Vns 08:52 20:55, Mars 01:32 13:39, Jup 01:14 13:17, Strm 01:41 13:44, Ura 07:46 19:48, Nep 04:51 16:53, Plu 01:19 13:22 ** MoonPhase 14.57%</p> <p>** Mrc Rises 01:35 Before Sunrise. ** Vns Sets 02:47 After Sunset.</p>  |
| <b>W15</b> | Sat 2020 <b>Apr 4</b>  | Transit: Leo 21:26, Gcen 23:48, Rcen 01:50, Sco 03:38 <p>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, Strm 01:16 13:18, Ura 07:20 19:22, Nep 04:24 16:27, Plu 00:52 12:55 ** MoonPhase 81.61%</p> <p>** Mrc Sets 01:30 Before Sunrise. ** Vns Sets 02:48 After Sunset. <p>*** Full Moon: 2020-04-08 Wed 02:34 GMT, MB 4.83, Mag 0.56, Sag 0.53</p></p>  |
| <b>W16</b> | Sat 2020 <b>Apr 11</b> | Transit: Leo 20:58, Gcen 23:20, Sco 03:11 <p>At Point Zero/RISE SET: Sun 05:57 18:04, Moon 12:33 09:03, Mrc 04:39 16:42, Vns 08:49 20:52, Mars 01:18 13:21, Jup 00:26 12:29, Strm 00:50 12:52, Ura 06:54 18:56, Nep 03:58 16:00, Plu 00:25 12:28 ** MoonPhase 64.03%</p> <p>** Mrc Rises 01:18 Before Sunrise. ** Vns Sets 02:48 After Sunset.</p>   |

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

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