

Miqra'ey – Invitations to Meet God

Yahowah's Appointment Schedule...

God's children are asked to attend seven annual meetings with their Heavenly Father. Spread out over the course of seven months, these family gatherings serve as prophetic signposts, dating, explaining, and facilitating the path to Yahowah's home. The *Miqra'ey* work as a cohesive whole, serving as God's seven-step plan to perfect and reconcile us so that we can live with Him.

To properly date these meetings with God, we must recognize that during the nearly 6,000 years of human history prior to mechanization, new moons were used to designate the first day of each new month. It was the best way to keep time, and it worked no matter where someone lived. Then, to adjust the lunar method of reckoning time with the solar year, Yahowah called the first month of His annual calendar "*Abyb*." The word describes the formation of young barley ears, the first grain to form in the Spring in Yisra'el. Yahowah's year thus began as the first crescent moon emerged after the formation of barley kernels. For all practical purposes, that is the new moon closest to the vernal equinox, around March 20th each year.

The annual journey from human oppression to the Promised Land, and to camping out with God, begins on the fourteenth day of *Abyb* with *Pesach* / Passover—which means that it always occurs on the brightly lit nights of a full moon. This is immediately followed by *Matsah* / Unleavened Bread and *Bikuwrym* / FirstFruits, transpiring over the course of three successive days. We become immortal on Passover, freeing us from the consequence of sin which is death. We are redeemed on Unleavened Bread, where a ransom is paid to deliver us from the penalty of sin—which is separation from God. The result, at least for those who observe these appointments with Yah, is a FirstFruits harvest of souls. It is God's gift to us, whereby the purified and ransomed once reborn Spiritually rise up and come into the presence of our Heavenly Father.

Seven sevens later, at the *Mow'ed Miqra'* / Called-Out Assembly Meeting of *Shabuwa'* / Seven Sabbaths, a grand party is held where everyone is invited regardless of race, sex, age, geographic location, religion, or social status. Those who have answered the summons, and who are the beneficiaries of *Pesach*, *Matsah*, and *Bikuwrym* are enveloped in Yahowah's Set-Apart Spirit, enlightening and empowering us to become witnesses to the other guests, and then to the world.

On the first day of the seventh month, on the *Mow'ed Miqra'* of *Taruw'ah* / Trumpets, Yahowah's Spirit-filled troubadours are called to signal a warning and to shout for joy. The blaring proclamation is to those who are unaware of these meetings, and do not know that attendance at the next one, *Yowm Kippurym*, is a life or death decision. And the joyous music is in hopeful anticipation that many will answer each new invitation, and enjoy God's company—now and forever.

Ten days later, on the Day of Reconciliations, all humankind is given a choice. We can come into the presence of our Spiritual Mother and be completely reconciled into Yahowah's family, living eternally with our Heavenly Father in His home. Or, we can choose not to attend the meeting, or simply ignore the summons. The consequence, according to the Creator and turned Judge, is that upon their death, such individuals will have their souls, or consciousness, diminished to the point of nonexistence. The message is simple and fair: if you do not value God sufficiently to answer His call to life, He will respond in kind—and death will be the end of your existence.

The desired result of Yahowah's seven-step plan of salvation occurs five days later on the Called-Out Assembly Meeting of *Sukah* / Shelters. This Festival Feast known as "Tabernacles" and "Tents," is a time where we get to campout with God. It depicts eternal life with our Heavenly Father in His home.

Consistent with Yahowah's plan of six, representing mankind, in addition to God who is one, yielding a perfect result, as denoted by seven, there are six steps in the Scriptural plan of salvation which lead to a time of perfect companionship with our Creator. And so it will be, after six thousand years of struggle and strife, humankind will spend the Millennial Sabbath with Yahowah, on planet Earth restored to resemble the Garden of Eden.

So by way of review, the first three *Miqra'ey* / Invitations to be Called-Out and Meet with God, *Pesach* / Passover, *Matsah* / Unleavened Bread, and *Bikuwrym* / FirstFruits, occur over three successive days in the Spring: on the 14th, 15th, and 16th day of the lunar month of *Abyb* (sometimes called Nisan and transliterated Abib or Aviv). During them, we are to eat lamb with bitter herbs, consume bread without yeast for seven days, and drink wine—all in remembrance of Yahowah's provision—His gifts of eternal life, redemption, and adoption. And

as with every Festival Feast, we should use these opportunities to read God’s Word—especially those portions directly attributable to the events we are celebrating—in this case, Yahowsha’s Passover sacrifice, His Unleavened Bread separation, and His FirstFruits return.

The first three *Miqra’ey* were fulfilled, played out in human history, by the Ma’aseyah Yahowsha’. He ate Passover with His disciples after sundown on Thursday, March 31st, 33 CE. He served as the Passover Lamb on Friday, *Abyb* 14, 4000, which was April 1st, 33 CE on our pagan calendar. He fulfilled the promise of Unleavened Bread, removing the penalty of sin from our souls, the following day on the Sabbath of *Abyb* 15, 4000, which we know as Saturday, April 2nd, 33 CE. And Yahowsha’s soul was freed from She’owl and reunited with Yahowah’s Spirit in celebration of FirstFruits on *Abyb* 16th, 4000. It was April 3rd, 33 CE.

Seven times seven days after *Bikuwrym*, we are invited to attend the Festival of Seven Sabbaths, referred to as Pentecost in Greek for “Fifty.” It was fulfilled on schedule on Sivan 6, 4000, May 22nd, 33 CE, when the Spirit came upon the *eklesia*/called-out assembly. It is the only Feast where the diet is varied and bread with yeast is designated.

In the Fall, on the 1st, 10th, and 15th day of Ethanim (renamed Tishri), the seventh lunar month, Yahowah reminds us to meet with Him and celebrate the prophetic *Miqra’ey* of *Taruw’ah* / Trumpets, *Yowm Kippuryim* / Reconciliations, and *Sukah* / Shelters. They foretell the day the souls of Yisra’el and Yahuwdym will be harvested by Yahowsha’ (known to the Christians who will miss it as the “Rapture”), the day Yahowsha’ will return in power and glory (Ethanim 10, 6000 which will occur at sunset on October 2nd, 2033), and the beginning of the Millennial Sabbath (Ethanim 15, 6000, which is the Sabbath of October 7th-8th, 2033). It represents the time when Yahowah will campout with humankind for one thousand years.

Here are the dates Yahowah established for His annual meetings with His family:

| | | |
|------------------------------------|--------------------------------|---|
| Passover / <i>Pesach</i> | <i>Abyb</i> – First Month | 14 (starts twilight of 13 th) |
| Unleavened Bread / <i>Matsah</i> | <i>Abyb</i> – First Month | 15 (lasts seven days) |
| FirstFruits / <i>Bikuwrym</i> | <i>Abyb</i> – First Month | 16 |
| Seven Sevens / <i>Shabuwa’</i> | 49 days from <i>Bikuwrym</i> | |
| Trumpets / <i>Taruw’ah</i> | <i>Ethanim</i> – Seventh Month | 1 |
| Reconciliations / <i>Kippuryim</i> | <i>Ethanim</i> – Seventh Month | 10 |
| Tabernacles / <i>Sukah</i> | <i>Ethanim</i> – Seventh Month | 15 |

Before we apply Yahowah's formula to predict the initiation of future years, and then superimpose God's Appointment Meetings on man's pagan calendar, there are some things you should know. First, the Romans salted Yisra'el following the Rabbi Akiba's feigned Messianic uprising in 133 CE, effectively destroying native crops such as the barley Yahowah asked His people to use to establish the inception of each new year. And yet, while we no longer possess the same variety of barley, we know that other Middle Eastern strains ripen within weeks of the vernal equinox each Spring.

Second, weather patterns have changed appreciably, and have vacillated considerably since these instructions were given to Moseh 3,400 years ago. Therefore, even if we had the proper seed, there is no assurance that barley would bud at precisely the same time. Further, such an indicator would only allow us to establish each new year at the initiation of that year, as this is an observed mechanism, not necessarily a predictive one.

The most difficult challenge afforded those who attempt to determine future *Miqra'ey* dates is that Scripture does not specify a reliable methodology for determining the first day of a new month. Using Scripture as our sole source of instruction, all we have to work with beyond being told that the moon's reflected light is to be used to establish the *mow'ed*/dates, is that the process begins when the moon is *chodesh*/renewed. That, however, could mean the precise moment the moon begins to reflect the sun's light, and thus initiates a waxing crescent, or when that initial sliver is first visible from earth. If it is the later, no instructions were given as to when or where the new moon was to be observed, how large a crescent was required for it to qualify, or what to do in situations when the sky was overcast.

Psalm 81:4 reads: **“Blow (*taqa'* – clap, sound, strike, or blast an instrument or horn) in (*ba* – on, with, and during) the (*ha*) new moon (*chodesh*); trumpet a ram's horn (*showphar*) in (*ba* – on, with, and during) the (*ha*) full moon (*kece'* – also translated new moon, first of the month, and throne, but from *kacah* – to cover, conceal, and hide) on (*la*) the day (*yowm*) of our festival feast (*chag*).”**

While the use of *kacah* conveys an important Spiritual truth (that of how our Spiritual Mother's Garment of Light conceals our sins), by including it, and by not specifying the where, what, and when of the *chodesh*/renewed moon, the verse cannot be used in support of the traditional observational method. Moreover, in First Samuel 20:5, Dowd, whom we know as David, tells Yahowchanan, known as Jonathan: **“Behold (*hineh* – pay attention), tomorrow (*mahar* – the next day) is a time of renewal or new month (*chodesh*) celebration (*chag*)...”**, meaning that the new/renewed moon was predicted rather than observed.

My conclusion based upon the whole of Scripture is that God demands perfection of Himself, and thus He deploys an exacting method of determining the dates of His Called-Out Assembly Meetings. As a result, in our charts, we have provided our readers with the most precise method of determining a new moon based upon this thought. Using this methodology, a month begins with the first full day, designated by the precise moment of sunset, in which the moon has already begun to renew—even if this occurs a minute before sundown.

God, however, requires very little from us, other than that we prioritize our relationship with Him, come to know Him, trust Him, and rely upon Him as He has given us this opportunity through His *Towrah* / Teaching. And since He has provided so much information and instruction regarding so many things, when there is an omission of detail regarding something, such as the specific day a new month begins, it is only reasonable to assume that we don't need to be perfect to please our Heavenly Father in this regard. Said another way, we will not be held accountable for failing to determine a date which is not clearly designated in the Word.

This difference between God's standard, and His expectation of us, as it relates to the precise day we are to observe Passover, is by design. The *Miqra'ey* are not rituals, but instead festivals established to prepare us to celebrate our familial relationship with our Heavenly Father. Their every word is prophetic, and their every symbol is a metaphor, predicting and illuminating the path home. Simply stated, it is more important to understand them, to rely upon them, to take comfort in them, to relax and enjoy them in that God has already done all of the work, than it is for us to precisely re-enact them.

Speaking of the difficulty of setting dates, Scripture tells us that the sun and moon will be darkened during the last half of the Tribulation. This indicates that apart from astrological prognostications, determining the exact time the final *Miqra'ey* will be fulfilled by way of observation, won't be possible.

During the process of calculating future *Miqra'ey*, we compared our conclusions to those posted by several religious organizations and discovered an interesting trend. Discrepancies, or differences which couldn't be explained simply by determining when the emerging sliver of a new moon would be observable at twilight, were directly related to Rabbis altering the start of a month to keep the special Sabbath of *Yowm Kippurym* from ever falling on a Friday (which begins on Thursday evening) or a Sunday (commencing on Saturday at sunset)—ostensibly to avoid either successive Sabbaths or any correlation with Islam (Friday) or Christianity (Sunday). In that the Rabbinical gerrymandering is contrary to Yahowah's Scriptural directions, we can say with great confidence that the Jewish religious sites are often wrong between now and when Yahowah returns.

We have elected to present the date each *Miqra'* commences, as opposed to posting when they will conclude. The reason for doing so is twofold. First, by the time we awake on the "day" of the Assembly, it is already half over. And second, Scripture suggests that the inception of each *Miqra'* is especially important. For example, the first Passover, that of the Exodus from Egypt, was observed at night. The only night associated with *Pesach* commences immediately after sundown. Moreover, Yahowsha' ate Passover with His disciples just after the sun set on the thirteenth day, enabling Him to serve as the Passover Lamb on the fourteenth. We also know that Yahowsha's *Matsah* sacrifice began at sundown on the cusp of the *Miqra'*. His fulfillment of *Bikuwrym* likewise, occurred long before the sun rose on the sixteenth day. In similar fashion, Scripture indicates that Yahowah's return will occur at sunset on *Yowm Kippurym*, which means at the initiation of the Assembly Meeting, not at its midpoint or conclusion.

Lastly, there is no Scriptural significance of any kind to *Abyb 1*, the first day of the new year. However, all of the data required to establish the dates of the first four *Miqra'ey* are derived from *Abyb 1*, which is the only reason it is listed in the following charts. The first day of the seventh month, known as *Ethanim* or *Tishri 1*, is listed for the same reason, in that it is used to determine the dates of the final three *Miqra'ey*, with *Taruw'ah* actually falling on this date.

We do not claim to be inerrant, only of desiring to provide you with information you can use to become right with Yah. But since so many people have recently come to realize that Yahowah's *Miqra'ey* / Called-Out Assemblies Meetings as they are described in the Towrah form the basis of our salvation, presenting God's narrow and unpopular path home, we are motivated to provide our Heavenly Father's children with our best estimates of when we have been invited to appear. These Called-Out Assembly Meeting dates are as follows:

Miqra'ey Calendars

Observations: All data is based on the coordinates of the Temple Mount in Jerusalem, Israel: Latitude 31°46'41.87"N Longitude 35°14'7.78"E.

Dates: Scriptural days begin at sunset and continue through the following sunset, and do not run from midnight to midnight as is our current custom. Therefore, our conversion to the Gregorian calendar date reflects the day of the sunset which initiates the complete *Miqra'*. For example, if *Matsah* is shown to commence on April 2nd then the Called-Out Assembly begins at sunset on April 2nd, and continues to sunset on April 3rd.

While there is no Scriptural significance to the 1st of Abyb, we have elected to include it in our presentation because the moon's condition on this date determines when we observe each of the first four Miqra'ey. In this regard, when Abyb 1 is displayed twice, two new moons are potential candidates. Dates from other calendar sources are only displayed alongside the new moon with which they coincide.

Times: All times are presented in military format (0:00 – 23:59). Italics indicate that daylight savings is in effect, making Israel's timezone GMT+3. Times in plain type are GMT+2. Times displayed in the linked images are GMT (Greenwich Mean Time), also known as UST (Universal Standard Time). For example: 1:30 PM GMT would be listed as 13:30 on the moon phase images, which is 15:30 Standard Time in Jerusalem, and *16:30* if still under DST.

Astronomical New Moon: An Astronomical New Moon is in conjunction, which is to say that the side which is visible from the Earth is in complete shadow. It is the exact time the moon ceases waning (losing reflected light). For our purposes, the ANM begins the moment the moon begins waxing (becoming illuminated).

Sunset: Designated as when the sun is more than 18 degrees below an ideal horizon. This is when it is perceived to have set due to the curvature of the sun's rays through the atmosphere.

Visibility: This is the portion of the moon's surface reflecting light from the sun. A full moon has 100% visibility. This value does not take visibility from the Earth into consideration. So, positive visibility is specified even when the moon is below the horizon.

Age: This reflects the number of days which have passed between the astronomical new moon and the sunset for that day.

Elevation:

This designates the angle above the horizon the center of the moon appears at sunset. The elevation at moonset is by definition 0°.

Moonset:

This is said to occur when the moon is more than 18 degrees below an ideal horizon.

Viewable: This figure quantifies the number of hours and minutes between sunset and moonset. It provides a good perspective on how much time a witness has to observe the first sliver of a new moon. Be aware, however, that the actual

practical viewable time is always less than this value, especially when the moon's setting is close to that of the sun as is the case with most new moons.

Astronomical: This precise method of dating designates Miqra'ey dates based upon the moment the moon is renewed each lunar month and begins waxing, regardless of whether this emerging sliver can actually be seen from Earth.

Observational: Miqra'ey dates listed under this format use the traditional method of beginning a new month when the first sliver of a new moon is likely to be observed at sunset. Our forecasts in this regard use the Temple Mount as the vantage point but do not take into consideration weather or atmospheric conditions. As a result, many of these observation estimates will be errant due to under- or overestimating the effects these conditions may have on the visibility.

Other Calendar Resources: We have listed other resources which provide additional dates for your consideration and comparison. When information from any resource is not included, it is because they have not provided those data for that timeframe.

Hebcal.com: This popular Jewish religious site follows the mathematical formula derived by Rabbi Maimonides and other rabbinical traditions for setting what they call the "Jewish holidays." They add many dates which are not designated in Scripture, label Unleavened Bread/*Matsah* as Passover/*Pecach*, do not acknowledge FirstFruits/*Bikuwrym*, consistently err in their dating of Sevens/*Shabuwa'*, list Trumpets/*Taruw'ah* under its Babylonian designation of *Rosh Hashanah*, and artificially alter the date of Reconciliations/*Yowm Kippurym* to keep it from falling on a Friday or Sunday (shown as sunset on Thursday and Saturday on our charts).

Paleotimes.org: This unaffiliated site provides estimates for the Called-Out Assembly dates through 2019.

Karaite-Korner.org: The Karaite site evaluates barley grains in Israel to determine when they are *Abyb*. They observe and post sightings of the first visible moon slivers they witness in Jerusalem and other areas around the world. While they do forecast dates a year or so out, using this method they are only able to establish dates for the current Spring or Fall Miqra'ey.

2004

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|-------------------------------|-----------------------|------------------------------|
| Daylight Savings: | Wed Apr 07,2004 01:00 | Wed Sep 22,2004 01:00 |
| Astronomical New Moon: | Sun Mar 21,2004 00:42 | <i>Tue Sep 14,2004 17:30</i> |
| Day's Sunset : | Sun Mar 21,2004 17:51 | <i>Tue Sep 14,2004 18:46</i> |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Sun Mar 21,2004 17:51 | 17:51 | 0.6096% | 0.71 | 06° 59' 55" | 18:26 | 0.6465% | 00:35 |
| Mon Mar 22,2004 17:52 | 17:52 | 3.1124% | 1.72 | 18° 39' 05" | 19:24 | 3.3378% | 01:32 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|----------------|-------------|--------------------|--------------|----------------|--------------|
| <i>Tue Sep 14,2004 18:46</i> | <i>18:46</i> | <i>0.0868%</i> | <i>0.05</i> | <i>01° 59' 58"</i> | <i>18:56</i> | <i>0.0874%</i> | <i>00:10</i> |
| <i>Wed Sep 15,2004 18:45</i> | <i>18:45</i> | <i>1.2996%</i> | <i>1.05</i> | <i>08° 04' 45"</i> | <i>19:25</i> | <i>1.3663%</i> | <i>00:40</i> |
| <i>Thu Sep 16,2004 18:43</i> | <i>18:43</i> | <i>4.8231%</i> | <i>2.05</i> | <i>14° 06' 57"</i> | <i>19:54</i> | <i>5.0564%</i> | <i>01:11</i> |

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|------------------|---------------------|----------------------|-------------------|-----------------------|---------------------------|
| Abyb 1 | Sun, Mar 21 | Mon, Mar 22 | Mon, Mar 22 | Sun, Mar 21 | Mon, Mar 22 17:57 |
| Ethanim 1 | Tue, Sep 14 | Wed, Sep 15 | Wed, Sep 15 | Wed, Sep 15 | <i>Wed, Sep 15 19:05</i> |
| Miqra'ey | Astronomical | Observational | Hebcal.com | Paleotimes.org | Karaite-Korner.org |
| Pecach | Sat, Apr 03 | Sun, Apr 04 | | Sat, Apr 03 | Sun, Apr 04 |
| Matsah | Sun, Apr 04 | Mon, Apr 05 | Mon, Apr 05 | Sun, Apr 04 | Mon, Apr 05 |
| Bikuwrym | Mon, Apr 05 | Tue, Apr 06 | | Mon, Apr 05 | Tue, Apr 06 |
| Shabuwa' | Mon, May 24 | Tue, May 25 | Tue, May 25 | Mon, May 24 | Tue, May 25 |
| Taruw'ah | Tue, Sep 14 | Wed, Sep 15 | Wed, Sep 15 | Wed, Sep 15 | Wed, Sep 15 |
| Kippurym | Thu, Sep 23 | Fri, Sep 24 | Fri, Sep 24 | Fri, Sep 24 | Fri, Sep 24 |
| Sukah | Tue, Sep 28 | Wed, Sep 29 | Wed, Sep 29 | Wed, Sep 29 | Wed, Sep 29 |

2005

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|-------------------------------|-----------------------|------------------------------|
| Daylight Savings: | Fri Apr 01,2005 01:00 | Sun Oct 09,2005 01:00 |
| Astronomical New Moon: | Thu Mar 10,2005 11:11 | <i>Mon Oct 03,2005 13:28</i> |
| Day's Sunset : | Thu Mar 10,2005 17:44 | <i>Mon Oct 03,2005 18:22</i> |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Thu Mar 10,2005 17:44 | 17:44 | 0.1514% | 0.27 | 02° 01' 16" | 17:55 | 0.1569% | 00:00 |
| Fri Mar 11,2005 17:44 | 17:44 | 2.1788% | 1.27 | 15° 25' 31" | 19:01 | 2.3586% | 01:17 |
| Sat Mar 12,2005 17:43 | 17:43 | 6.6175% | 2.27 | 28° 17' 31" | 20:05 | 7.1612% | 02:22 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|----------------|-------------|--------------------|--------------|----------------|--------------|
| <i>Mon Oct 03,2005 18:22</i> | <i>18:22</i> | <i>0.0413%</i> | <i>0.20</i> | <i>00° 13' 11"</i> | <i>18:24</i> | <i>0.0419%</i> | <i>00:02</i> |
| <i>Tue Oct 04,2005 18:20</i> | <i>18:20</i> | <i>1.4748%</i> | <i>1.20</i> | <i>06° 00' 37"</i> | <i>18:51</i> | <i>1.5285%</i> | <i>00:31</i> |
| <i>Wed Oct 05,2005 18:19</i> | <i>18:19</i> | <i>4.9831%</i> | <i>2.20</i> | <i>11° 29' 25"</i> | <i>19:21</i> | <i>5.1805%</i> | <i>01:02</i> |

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|------------------|---------------------|----------------------|-------------------|-----------------------|---------------------------|
| Abyb 1 | Thu, Mar 10 | Fri, Mar 11 | Sat, Apr 09 | Fri, Mar 11 | Fri, Mar 11 18:00 |
| Ethanim 1 | Mon, Oct 03 | Wed, Oct 05 | Mon, Oct 03 | Mon, Sep 05 | <i>Mon, Sep 05 19:05</i> |
| Miqra'ey | Astronomical | Observational | Hebcal.com | Paleotimes.org | Karaite-Korner.org |
| Pecach | Wed, Mar 23 | Thu, Mar 24 | | Thu, Mar 24 | Thu, Mar 24 |
| Matsah | Thu, Mar 24 | Fri, Mar 25 | Sat, Apr 23 | Fri, Mar 25 | Fri, Mar 25 |
| Bikuwrym | Fri, Mar 25 | Sat, Mar 26 | | Sat, Mar 26 | Sat, Mar 26 |
| Shabuwa' | Fri, May 13 | Sat, May 14 | Sun, Jun 12 | Sat, May 14 | Sat, May 14 |
| Taruw'ah | Mon, Oct 03 | Wed, Oct 05 | Mon, Oct 03 | Mon, Sep 05 | Mon, Sep 05 |
| Kippurym | Wed, Oct 12 | Fri, Oct 14 | Wed, Oct 12 | Wed, Sep 14 | Wed, Sep 14 |
| Sukah | Mon, Oct 17 | Wed, Oct 19 | Mon, Oct 17 | Mon, Sep 19 | Mon, Sep 19 |

2006

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|-------------------------------|-----------------------|------------------------------|
| Daylight Savings: | Fri Mar 31,2006 02:00 | Sun Oct 01,2006 02:00 |
| Astronomical New Moon: | Wed Mar 29,2006 12:16 | <i>Fri Sep 22,2006 14:46</i> |
| Day's Sunset : | Wed Mar 29,2006 17:56 | <i>Fri Sep 22,2006 18:36</i> |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|----------------|-------------|--------------------|--------------|----------------|--------------|
| Wed Mar 29,2006 17:56 | 17:56 | 0.0863% | 0.24 | 02° 20' 07" | 18:08 | 0.0924% | 00:00 |
| Thu Mar 30,2006 17:57 | 17:57 | 2.2496% | 1.24 | 16° 09' 11" | 19:18 | 2.4538% | 01:21 |
| <i>Fri Mar 31,2006 18:58</i> | <i>18:58</i> | <i>7.0586%</i> | <i>2.28</i> | <i>29° 39' 10"</i> | <i>21:29</i> | <i>7.6961%</i> | <i>02:31</i> |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|----------------|-------------|---------------------|--------------|----------------|--------------|
| <i>Fri Sep 22,2006 18:36</i> | <i>18:36</i> | <i>0.0249%</i> | <i>0.16</i> | <i>-00° 30' 07"</i> | <i>18:34</i> | <i>0.0245%</i> | <i>00:00</i> |
| <i>Sat Sep 23,2006 18:35</i> | <i>18:35</i> | <i>1.2173%</i> | <i>1.16</i> | 04° 40' 33" | <i>18:59</i> | <i>1.2524%</i> | 00:24 |
| <i>Sun Sep 24,2006 18:34</i> | <i>18:34</i> | <i>4.1827%</i> | <i>2.16</i> | <i>09° 43' 45"</i> | <i>19:24</i> | <i>4.3195%</i> | <i>00:50</i> |

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|------------------|---------------------|----------------------|-------------------|-----------------------|---------------------------|
| Abyb 1 | Wed, Mar 29 | Thu, Mar 30 | Wed, Mar 29 | Wed, Mar 29 | Thu, Mar 30 17:58 |
| Ethanim 1 | Fri, Sep 22 | Sun, Sep 24 | Fri, Sep 22 | Sun, Sep 24 | <i>Sun, Sep 24 18:40</i> |
| Miqra'ey | Astronomical | Observational | Hebcal.com | Paleotimes.org | Karaite-Korner.org |
| Pecach | Tue, Apr 11 | Wed, Apr 12 | | Tue, Apr 11 | Wed, Apr 12 |
| Matsah | Wed, Apr 12 | Thu, Apr 13 | Wed, Apr 12 | Wed, Apr 12 | Thu, Apr 13 |
| Bikuwrym | Thu, Apr 13 | Fri, Apr 14 | | Thu, Apr 13 | Fri, Apr 14 |
| Shabuwa' | Thu, Jun 01 | Fri, Jun 02 | Thu, Jun 01 | Thu, Jun 01 | Fri, Jun 02 |
| Taruw'ah | Fri, Sep 22 | Sun, Sep 24 | Fri, Sep 22 | Sun, Sep 24 | Sun, Sep 24 |
| Kippurym | Sun, Oct 01 | Tue, Oct 03 | Sun, Oct 01 | Tue, Oct 03 | Tue, Oct 03 |
| Sukah | Fri, Oct 06 | Sun, Oct 08 | Fri, Oct 06 | Sun, Oct 08 | Sun, Oct 08 |

2007

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|-------------------------------|-----------------------|------------------------------|
| Daylight Savings: | Fri Mar 30,2007 00:00 | Sun Sep 16,2007 00:00 |
| Astronomical New Moon: | Mon Mar 19,2007 04:43 | <i>Tue Sep 11,2007 15:45</i> |
| Day's Sunset : | Mon Mar 19,2007 17:50 | <i>Tue Sep 11,2007 18:51</i> |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Mon Mar 19,2007 17:50 | 17:50 | 0.4816% | 0.55 | 06° 41' 33" | 18:24 | 0.5227% | 00:00 |
| Tue Mar 20,2007 17:50 | 17:50 | 3.6896% | 1.55 | 21° 04' 09" | 19:35 | 4.0369% | 01:45 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|----------------|-------------|---------------------|--------------|----------------|--------------|
| <i>Tue Sep 11,2007 18:51</i> | <i>18:51</i> | <i>0.0268%</i> | <i>0.13</i> | <i>-01° 13' 35"</i> | <i>18:46</i> | <i>0.0259%</i> | <i>00:00</i> |
| <i>Wed Sep 12,2007 18:50</i> | <i>18:50</i> | <i>1.2586%</i> | <i>1.13</i> | 04° 13' 07" | <i>19:11</i> | <i>1.2905%</i> | 00:21 |
| <i>Thu Sep 13,2007 18:48</i> | <i>18:48</i> | <i>4.3122%</i> | <i>2.13</i> | <i>09° 37' 57"</i> | <i>19:36</i> | <i>4.4436%</i> | <i>00:48</i> |

| | | | | | |
|------------------|---------------------|----------------------|-------------------|-----------------------|---------------------------|
| Abyb 1 | Mon, Mar 19 | Tue, Mar 20 | Mon, Mar 19 | Mon, Mar 19 | Tue, Mar 20 17:55 |
| Ethanim 1 | Tue, Sep 11 | Thu, Sep 13 | Wed, Sep 12 | Wed, Sep 12 | <i>Wed, Sep 12 18:45</i> |
| Miqra'ey | Astronomical | Observational | Hebcal.com | Paleotimes.org | Karaite-Korner.org |
| Pecach | Sun, Apr 01 | Mon, Apr 02 | | Sun, Apr 01 | Tue, Sep 25 |
| Matsah | Mon, Apr 02 | Tue, Apr 03 | Mon, Apr 02 | Mon, Apr 02 | Wed, Sep 26 |
| Bikuwrym | Tue, Apr 03 | Wed, Apr 04 | | Tue, Apr 03 | Thu, Sep 27 |
| Shabuwa' | Tue, May 22 | Wed, May 23 | Tue, May 22 | Tue, May 22 | Thu, Nov 15 |
| Taruw'ah | Tue, Sep 11 | Thu, Sep 13 | Wed, Sep 12 | Wed, Sep 12 | Wed, Sep 12 |
| Kippurym | Thu, Sep 20 | Sat, Sep 22 | Fri, Sep 21 | Fri, Sep 21 | Fri, Sep 21 |
| Sukah | Tue, Sep 25 | Thu, Sep 27 | Wed, Sep 26 | Wed, Sep 26 | Wed, Sep 26 |

| 2008 | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 28,2008 02:00 | Sun Oct 05,2008 02:00 |
| Astronomical New Moon: | Fri Mar 07,2008 19:15 | Sat Aug 30,2008 22:59 |
| Day's Sunset : | Fri Mar 07,2008 17:42 | Sat Aug 30,2008 19:05 |

| Abib/Aviv/Nisan 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|-------|-------------|----------|-------------|-----------|
| Fri Mar 07,2008 17:42 | 17:42 | -0.0277% | -0.06 | 01° 45' 41" | 17:34 | -0.0285% | 00:00 |
| Sat Mar 08,2008 17:42 | 17:42 | 1.2185% | 0.94 | 11° 34' 21" | 18:40 | 1.3226% | 00:58 |
| Sun Mar 09,2008 17:43 | 17:43 | 5.0788% | 1.94 | 24° 55' 39" | 19:47 | 5.5322% | 02:04 |

| Ethanim/Tishri 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|-------|--------------|----------|-------------|-----------|
| Sat Aug 30,2008 19:05 | 19:05 | -0.0508% | -0.16 | -03° 31' 06" | 18:49 | -0.0551% | 00:00 |
| Sun Aug 31,2008 19:04 | 19:04 | 0.8946% | 0.84 | 02° 50' 22" | 19:18 | 0.9144% | 00:14 |
| Mon Sep 01,2008 19:03 | 19:03 | 4.0070% | 1.84 | 08° 52' 46" | 19:47 | 4.1347% | 00:44 |

Abyb 1 Sat, Mar 08 Sat, Mar 08

Ethanim 1 Sun, Aug 31 Mon, Sep 01

Miqra'ey **Astronomical** **Observational** **Hebcal.com** **Paleotimes.org** **Karaite-Korner.org**

| | | | | | |
|-----------------|-------------|-------------|--|--|--|
| Pecach | Fri, Mar 21 | Fri, Mar 21 | | | |
| Matsah | Sat, Mar 22 | Sat, Mar 22 | | | |
| Bikuwrym | Sun, Mar 23 | Sun, Mar 23 | | | |
| Shabuwa' | Sun, May 11 | Sun, May 11 | | | |
| Taruw'ah | Sun, Aug 31 | Mon, Sep 01 | | | |
| Kippurym | Tue, Sep 09 | Wed, Sep 10 | | | |
| Sukah | Sun, Sep 14 | Mon, Sep 15 | | | |

| 2008 | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 28,2008 02:00 | Sun Oct 05,2008 02:00 |
| Astronomical New Moon: | Sun Apr 06,2008 06:56 | Mon Sep 29,2008 11:13 |
| Day's Sunset : | Sun Apr 06,2008 19:02 | Mon Sep 29,2008 18:26 |

| Abib/Aviv/Nisan 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Sun Apr 06,2008 19:02 | 19:02 | 0.5137% | 0.50 | 06° 31' 31" | 19:36 | 0.5505% | 00:34 |
| Mon Apr 07,2008 19:03 | 19:03 | 3.4942% | 1.50 | 20° 22' 46" | 20:48 | 3.8227% | 01:45 |

| Ethanim/Tishri 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|--------------|----------|-------------|-----------|
| Mon Sep 29,2008 18:26 | 18:26 | 0.2248% | 0.30 | -02° 18' 25" | 18:16 | 0.2201% | 00:00 |
| Tue Sep 30,2008 18:25 | 18:25 | 1.9490% | 1.30 | 07° 52' 55" | 18:45 | 1.9871% | 00:20 |
| Wed Oct 01,2008 18:24 | 18:24 | 5.5912% | 2.30 | 09° 38' 24" | 19:17 | 5.7587% | 00:53 |

Abyb 1 Sun, Apr 06 Mon, Apr 07 Sat, Apr 05 Sun, Apr 06 Mon, Apr 07 19:13

Ethanim 1 Mon, Sep 29 Wed, Oct 01 Mon, Sep 29 Tue, Sep 30 Wed, Oct 01 18:29

Miqra'ey **Astronomical** **Observational** **Hebcal.com** **Paleotimes.org** **Karaite-Korner.org**

| | | | | | |
|-----------------|-------------|-------------|-------------|-------------|-------------|
| Pecach | Sat, Apr 19 | Sun, Apr 20 | | Sat, Apr 19 | Sun, Apr 20 |
| Matsah | Sun, Apr 20 | Mon, Apr 21 | Sat, Apr 19 | Sun, Apr 20 | Mon, Apr 21 |
| Bikuwrym | Mon, Apr 21 | Tue, Apr 22 | | Mon, Apr 21 | Tue, Apr 22 |
| Shabuwa' | Mon, Jun 09 | Tue, Jun 10 | Sun, Jun 08 | Mon, Jun 09 | Tue, Jun 10 |
| Taruw'ah | Mon, Sep 29 | Wed, Oct 01 | Mon, Sep 29 | Tue, Sep 30 | Wed, Oct 01 |
| Kippurym | Wed, Oct 08 | Fri, Oct 10 | Wed, Oct 08 | Thu, Oct 09 | Fri, Oct 10 |
| Sukah | Mon, Oct 13 | Wed, Oct 15 | Mon, Oct 13 | Tue, Oct 14 | Wed, Oct 15 |

2009

| | | |
|-------------------------------|-----------------------|------------------------------|
| Daylight Savings: | Fri Mar 27,2009 02:00 | Sun Sep 27,2009 02:00 |
| Astronomical New Moon: | Thu Mar 26,2009 18:07 | <i>Fri Sep 18,2009 21:45</i> |
| Day's Sunset : | Thu Mar 26,2009 17:55 | <i>Fri Sep 18,2009 18:41</i> |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|----------------|-------------|--------------------|--------------|----------------|--------------|
| Thu Mar 26,2009 17:55 | 17:55 | 0.1431% | -0.01 | -00° 38' 30" | 18:53 | 0.1431% | 00:00 |
| <i>Fri Mar 27,2009 18:55</i> | <i>18:55</i> | <i>1.3516%</i> | <i>1.03</i> | <i>11° 58' 02"</i> | <i>19:56</i> | <i>1.4558%</i> | <i>01:01</i> |
| <i>Sat Mar 28,2009 18:56</i> | <i>18:56</i> | <i>4.9960%</i> | <i>2.03</i> | <i>24° 26' 57"</i> | <i>21:01</i> | <i>5.3915%</i> | <i>02:05</i> |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|----------------|--------------|---------------------|--------------|----------------|--------------|
| <i>Fri Sep 18,2009 18:41</i> | <i>18:41</i> | <i>0.1572%</i> | <i>-0.13</i> | <i>-05° 30' 29"</i> | <i>18:15</i> | <i>0.1632%</i> | <i>00:00</i> |
| <i>Sat Sep 19,2009 18:40</i> | <i>18:40</i> | <i>1.1988%</i> | <i>0.87</i> | <i>01° 29' 55"</i> | <i>18:48</i> | <i>1.2119%</i> | <i>00:08</i> |
| <i>Sun Sep 20,2009 18:38</i> | <i>18:38</i> | <i>4.7437%</i> | <i>1.87</i> | <i>08° 27' 30"</i> | <i>19:22</i> | <i>4.8876%</i> | <i>00:44</i> |

| | | | | | |
|------------------|---------------------|----------------------|-------------------|-----------------------|---------------------------|
| Abyb 1 | Fri, Mar 27 | Fri, Mar 27 | Wed, Mar 25 | Fri, Mar 27 | <i>Fri, Mar 27 19:12</i> |
| Ethanim 1 | Sat, Sep 19 | Sun, Sep 20 | Fri, Sep 18 | Sun, Sep 20 | Sun, Sep 20 |
| Miqra'ey | Astronomical | Observational | Hebcal.com | Paleotimes.org | Karaite-Korner.org |
| Pecach | Thu, Apr 09 | Thu, Apr 09 | | Thu, Apr 09 | Thu, Apr 09 |
| Matsah | Fri, Apr 10 | Fri, Apr 10 | Wed, Apr 08 | Fri, Apr 10 | Fri, Apr 10 |
| Bikuwrym | Sat, Apr 11 | Sat, Apr 11 | | Sat, Apr 11 | Sat, Apr 11 |
| Shabuwa' | Sat, May 30 | Sat, May 30 | Thu, May 28 | Sat, May 30 | Sat, May 30 |
| Taruw'ah | Sat, Sep 19 | Sun, Sep 20 | Fri, Sep 18 | Sun, Sep 20 | Sun, Sep 20 |
| Kippurym | Mon, Sep 28 | Tue, Sep 29 | Sun, Sep 27 | Tue, Sep 29 | Tue, Sep 29 |
| Sukah | Sat, Oct 03 | Sun, Oct 04 | Fri, Oct 02 | Sun, Oct 04 | Sun, Oct 04 |

2010

| | | |
|-------------------------------|-----------------------|------------------------------|
| Daylight Savings: | Fri Mar 26,2010 02:00 | Sun Sep 12,2010 02:00 |
| Astronomical New Moon: | Mon Mar 15,2010 23:02 | <i>Wed Sep 08,2010 13:30</i> |
| Day's Sunset : | Mon Mar 15,2010 17:47 | <i>Wed Sep 08,2010 18:41</i> |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|----------------|-------|--------------|----------|----------------|-----------|
| Mon Mar 15,2010 17:47 | 17:47 | -0.2018% | -0.22 | -02° 50' 41" | 17:34 | -0.2053% | 00:00 |
| Tue Mar 16,2010 17:48 | 17:48 | 0.7690% | 0.78 | 08° 12' 46" | 18:29 | 0.8132% | 00:41 |
| Wed Mar 17,2010 17:48 | 17:48 | 3.2565% | 1.78 | 19° 38' 08" | 19:26 | 3.4965% | 01:38 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|----------------|-------------|---------------------|--------------|----------------|--------------|
| <i>Wed Sep 08,2010 15:55</i> | <i>15:55</i> | <i>0.2502%</i> | <i>0.10</i> | <i>-03° 13' 45"</i> | <i>15:40</i> | <i>0.2427%</i> | <i>00:00</i> |
| <i>Thu Sep 09,2010 15:53</i> | <i>15:53</i> | <i>2.4994%</i> | <i>1.10</i> | <i>04° 42' 22"</i> | <i>19:17</i> | <i>2.5618%</i> | <i>03:24</i> |
| <i>Fri Sep 10,2010 15:53</i> | <i>15:53</i> | <i>7.5477%</i> | <i>2.10</i> | <i>12° 04' 03"</i> | <i>19:55</i> | <i>7.8253%</i> | <i>04:02</i> |

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|------------------|---------------------|----------------------|-------------------|-----------------------|---------------------------|
| Abyb 1 | Tue, Mar 16 | Wed, Mar 17 | Mon, Mar 15 | Tue, Mar 16 | Wed, Mar 17 |
| Ethanim 1 | Wed, Sep 08 | Thu, Sep 09 | Wed, Sep 08 | Thu, Sep 09 | |
| Miqra'ey | Astronomical | Observational | Hebcal.com | Paleotimes.org | Karaite-Korner.org |
| Pecach | Mon, Mar 29 | Tue, Mar 30 | | Mon, Mar 29 | Tue, Mar 30 |
| Matsah | Tue, Mar 30 | Wed, Mar 31 | Mon, Mar 29 | Tue, Mar 30 | Wed, Mar 31 |
| Bikuwrym | Wed, Mar 31 | Thu, Apr 01 | | Wed, Mar 31 | Thu, Apr 01 |
| Shabuwa' | Wed, May 19 | Thu, May 20 | Tue, May 18 | Wed, May 19 | Thu, May 20 |
| Taruw'ah | Wed, Sep 08 | Thu, Sep 09 | Wed, Sep 08 | Thu, Sep 09 | |
| Kippurym | Fri, Sep 17 | Sat, Sep 18 | Fri, Sep 17 | Sat, Sep 18 | |

| | | | | |
|-------------------------------|-----------------------|-------------|-----------------------|-------------|
| Sukah | Wed, Sep 22 | Thu, Sep 23 | Wed, Sep 22 | Thu, Sep 23 |
| 2011 | | | | |
| Daylight Savings: | Fri Apr 01,2011 02:00 | | Sun Oct 02,2011 02:00 | |
| Astronomical New Moon: | Sun Apr 03,2011 17:33 | | Tue Sep 27,2011 14:09 | |
| Day's Sunset : | Sun Apr 03,2011 19:00 | | Tue Sep 27,2011 18:30 | |

| Abib/Aviv/Nisan 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|----------------|--------------------|-------------|-------------------|-----------------|--------------------|------------------|
| <i>Sun Apr 03,2011 19:00</i> | 19:00 | 0.1772% | 0.06 | -02° 50' 41" | 19:02 | 0.1774% | 00:00 |
| <i>Mon Apr 04,2011 19:00</i> | 19:00 | 1.1656% | 1.06 | 11° 07' 04" | 19:57 | 1.2418% | 00:57 |
| <i>Tue Apr 05,2011 19:01</i> | 19:01 | 3.9522% | 2.06 | 21° 51' 20" | 20:52 | 4.2403% | 01:51 |

| Ethanim/Tishri 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|----------------|--------------------|-------------|-------------------|-----------------|--------------------|------------------|
| <i>Tue Sep 27,2011 18:30</i> | 18:30 | 0.2225% | 0.18 | 00° 14' 47" | 18:13 | 0.2165% | 00:00 |
| <i>Wed Sep 28,2011 18:29</i> | 18:29 | 2.2825% | 1.18 | 04° 54' 15" | 18:55 | 2.3473% | 00:26 |
| <i>Thu Sep 29,2011 18:27</i> | 18:27 | 7.2337% | 2.18 | 13° 16' 07" | 19:40 | 7.5548% | 01:13 |

| | | | | |
|------------------|---------------------|----------------------|-------------------|-----------------------|
| Abyb 1 | Sun, Apr 03 | Mon, Apr 04 | Mon, Apr 04 | Mon, Apr 04 |
| Ethanim 1 | Tue, Sep 27 | Wed, Sep 28 | Wed, Sep 28 | Wed, Sep 28 |
| Miqra'ey | Astronomical | Observational | Hebcal.com | Paleotimes.org |
| Pecach | Sat, Apr 16 | Sun, Apr 17 | | Sun, Apr 17 |
| Matsah | Sun, Apr 17 | Mon, Apr 18 | Mon, Apr 18 | Mon, Apr 18 |
| Bikuwrym | Mon, Apr 18 | Tue, Apr 19 | | Tue, Apr 19 |
| Shabuwa' | Mon, Jun 06 | Tue, Jun 07 | Tue, Jun 07 | Tue, Jun 07 |
| Taruw'ah | Tue, Sep 27 | Wed, Sep 28 | Wed, Sep 28 | Wed, Sep 28 |
| Kippurym | Thu, Oct 06 | Fri, Oct 07 | Fri, Oct 07 | Fri, Oct 07 |
| Sukah | Tue, Oct 11 | Wed, Oct 12 | Wed, Oct 12 | Wed, Oct 12 |

| | | | | |
|-------------------------------|-----------------------|--|-----------------------|--|
| 2012 | | | | |
| Daylight Savings: | Fri Mar 30,2012 02:00 | | Sun Sep 23,2012 02:00 | |
| Astronomical New Moon: | Thu Mar 22,2012 16:38 | | Sun Sep 16,2012 05:11 | |
| Day's Sunset : | Thu Mar 22,2012 17:52 | | Sun Sep 16,2012 18:43 | |

| Abib/Aviv/Nisan 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|----------------|--------------------|-------------|-------------------|-----------------|--------------------|------------------|
| <i>Thu Mar 22,2012 17:52</i> | 17:52 | 0.1606% | 0.05 | 00° 09' 36" | 17:54 | 0.1607% | 00:02 |
| <i>Fri Mar 23,2012 17:53</i> | 17:53 | 1.1639% | 1.05 | 11° 01' 37" | 18:48 | 1.2386% | 00:55 |
| <i>Sat Mar 24,2012 17:53</i> | 17:53 | 3.9626% | 2.05 | 21° 57' 50" | 19:42 | 4.2436% | 01:49 |

| Ethanim/Tishri 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|----------------|--------------------|-------------|-------------------|-----------------|--------------------|------------------|
| <i>Sun Sep 16,2012 18:43</i> | 18:43 | 0.5633% | 0.56 | -00° 13' 59" | 18:43 | 0.2165% | 00:00 |
| <i>Mon Sep 17,2012 18:42</i> | 18:42 | 3.3893% | 1.56 | 07° 48' 49" | 19:22 | 3.5061% | 00:40 |
| <i>Tue Sep 18,2012 18:41</i> | 18:41 | 8.8282% | 2.56 | 15° 37' 48" | 20:04 | 9.2162% | 01:23 |

| | | | | |
|------------------|---------------------|----------------------|-------------------|-----------------------|
| Abyb 1 | Thu, Mar 22 | Fri, Mar 23 | Fri, Mar 23 | Fri, Mar 23 |
| Ethanim 1 | Sun, Sep 16 | Mon, Sep 17 | Sun, Sep 16 | Mon, Sep 17 |
| Miqra'ey | Astronomical | Observational | Hebcal.com | Paleotimes.org |
| Pecach | Wed, Apr 04 | Thu, Apr 05 | | Thu, Apr 05 |
| Matsah | Thu, Apr 05 | Fri, Apr 06 | Fri, Apr 06 | Fri, Apr 06 |
| Bikuwrym | Fri, Apr 06 | Sat, Apr 07 | | Sat, Apr 07 |
| Shabuwa' | Fri, May 25 | Sat, May 26 | Sat, May 26 | Sat, May 26 |
| Taruw'ah | Sun, Sep 16 | Mon, Sep 17 | Sun, Sep 16 | Mon, Sep 17 |
| Kippurym | Tue, Sep 25 | Wed, Sep 26 | Tue, Sep 25 | Wed, Sep 26 |

| Sukah | Sun, Sep 30 | Mon, Oct 01 | Sun, Sep 30 | Mon, Oct 01 |
|-------------------------------|-----------------------|-------------|-----------------------|-------------|
| 2013 | | | | |
| Daylight Savings: | Fri Mar 29,2013 02:00 | | Sun Sep 08,2013 02:00 | |
| Astronomical New Moon: | Mon Mar 11,2013 21:52 | | Thu Sep 05,2013 14:37 | |
| Day's Sunset : | Mon Mar 11,2013 17:44 | | Thu Sep 05,2013 18:58 | |

| Abib/Aviv/Nisan 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|----------------|-------|--------------|----------|-------------|-----------|
| Mon Mar 11,2013 17:44 | 17:44 | -0.1817% | -0.17 | -02° 30' 25" | 17:32 | -0.1855% | 00:00 |
| Tue Mar 12,2013 17:45 | 17:45 | 0.8983% | 0.83 | 9° 32' 58" | 18:33 | 0.9612% | 00:48 |
| Wed Mar 13,2013 17:46 | 17:46 | 3.8055% | 1.83 | 21° 18' 34" | 19:31 | 4.0956% | 01:45 |

| Ethanim/Tishri 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|--------------------|----------|-------------|--------------|
| Thu Sep 05,2013 18:58 | 18:58 | 0.1634% | 0.18 | -03° 12' 38" | 18:43 | 0.1600% | 00:00 |
| Fri Sep 06,2013 18:57 | 18:57 | 1.5769% | 1.18 | 04° 08' 47" | 19:18 | 1.6135% | 00:21 |
| Sat Sep 07,2013 18:55 | 18:55 | 5.1537% | 2.18 | 11° 41' 33" | 19:54 | 5.3463% | 00:59 |

| | | | | |
|------------------|---------------------|----------------------|-------------------|-----------------------|
| Abyb 1 | Tue, Mar 12 | Wed, Mar 13 | Mon, Mar 11 | Tue, Mar 12 |
| Ethanim 1 | Thu, Sep 05 | Sat, Sep 07 | Wed, Sep 04 | Fri, Sep 06 |
| Miqra'ey | Astronomical | Observational | Hebcal.com | Paleotimes.org |
| Pecach | Mon, Mar 25 | Tue, Mar 26 | | Mon, Mar 25 |
| Matsah | Tue, Mar 26 | Wed, Mar 27 | Mon, Mar 25 | Tue, Mar 26 |
| Bikuwrym | Wed, Mar 27 | Thu, Mar 28 | | Wed, Mar 27 |
| Shabuwa' | Wed, May 15 | Thu, May 16 | Tue, May 14 | Wed, May 15 |
| Taruw'ah | Thu, Sep 05 | Sat, Sep 07 | Wed, Sep 04 | Fri, Sep 06 |
| Kippurym | Sat, Sep 14 | Mon, Sep 16 | Fri, Sep 13 | Sun, Sep 15 |
| Sukah | Thu, Sep 19 | Sat, Sep 21 | Wed, Sep 18 | Fri, Sep 20 |

| 2014 | | | | |
|-------------------------------|-----------------------|--|-----------------------|--|
| Daylight Savings: | Fri Mar 28,2014 02:00 | | Sun Sep 28,2014 02:00 | |
| Astronomical New Moon: | Sat Mar 01,2014 10:00 | | Mon Aug 25,2014 17:13 | |
| Day's Sunset : | Sat Mar 01,2014 17:37 | | Mon Aug 25,2014 19:12 | |

| Abib/Aviv/Nisan 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Sat Mar 01,2014 17:37 | 17:37 | 0.2431% | 0.32 | 03° 44' 10" | 17:56 | 0.2548% | 00:19 |
| Sun Mar 02,2014 17:37 | 17:37 | 2.5034% | 1.32 | 16° 56' 40" | 19:02 | 2.7173% | 01:25 |

| Ethanim/Tishri 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|--------------|----------|-------------|-----------|
| Mon Aug 25,2014 19:12 | 19:12 | 0.1132% | 0.08 | -03° 36' 22" | 18:55 | 0.1121% | 00:00 |
| Tue Aug 26,2014 19:11 | 19:11 | 1.1293% | 1.08 | 03° 25' 55" | 19:28 | 1.1522% | 00:17 |
| Wed Aug 27,2014 19:09 | 19:09 | 3.9522% | 2.08 | 10° 38' 35" | 20:01 | 4.0876% | 00:52 |

| | | | |
|------------------|---------------------|----------------------|---|
| Abyb 1 | Sat, Mar 01 | Sun, Mar 02 | Sun, Mar 02 |
| Ethanim 1 | Mon, Aug 25 | Wed, Aug 27 | Tue, Aug 26 |
| Miqra'ey | Astronomical | Observational | Hebcal.com Paleotimes.org |
| Pecach | Fri, Mar 14 | Sat, Mar 15 | Sat, Mar 15 |
| Matsah | Sat, Mar 15 | Sun, Mar 16 | Sun, Mar 16 |
| Bikuwrym | Sun, Mar 16 | Mon, Mar 17 | Mon, Mar 17 |
| Shabuwa' | Sun, May 04 | Mon, May 05 | Mon, May 05 |
| Taruw'ah | Mon, Aug 25 | Wed, Aug 27 | Tue, Aug 26 |
| Kippurym | Wed, Sep 03 | Fri, Sep 05 | Thu, Sep 04 |
| Sukah | Mon, Sep 08 | Wed, Sep 10 | Tue, Sep 09 |

2014

| | | |
|-------------------------------|------------------------------|------------------------------|
| Daylight Savings: | Fri Mar 28,2014 02:00 | Sun Sep 28,2014 02:00 |
| Astronomical New Moon: | <i>Sun Mar 30,2014 21:45</i> | <i>Wed Sep 24,2014 09:14</i> |
| Day's Sunset : | Sun Mar 30,2014 18:57 | <i>Wed Sep 24,2014 18:34</i> |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|---------|-------------|-------|--------------|----------|-------------|-----------|
| <i>Sun Mar 30,2014 18:57</i> | 18:57 | 0.0433% | -0.12 | -02° 30' 25" | 18:46 | 0.0460% | 00:00 |
| <i>Mon Mar 31,2014 18:58</i> | 18:58 | 1.0069% | 0.88 | 10° 17' 51" | 19:50 | 1.0890% | 00:52 |
| <i>Tue Apr 01,2014 18:59</i> | 18:59 | 4.4032% | 1.88 | 22° 33' 52" | 20:51 | 4.7588% | 01:52 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| <i>Wed Sep 24,2014 18:34</i> | 18:34 | 0.1553% | 0.39 | 00° 16' 40" | 18:36 | 0.1563% | 00:02 |
| <i>Thu Sep 25,2014 18:32</i> | 18:32 | 1.8528% | 1.39 | 07° 41' 45" | 19:11 | 1.9261% | 00:39 |
| <i>Fri Sep 26,2014 18:31</i> | 18:31 | 5.5052% | 2.39 | 14° 48' 45" | 19:47 | 5.7517% | 01:16 |

| | | | | |
|------------------|---------------------|----------------------|-------------------|-----------------------|
| Abyb 1 | Mon, Mar 31 | Mon, Mar 31 | Mon, Mar 31 | |
| Ethanim 1 | Wed, Sep 24 | Thu, Sep 25 | Wed, Sep 24 | |
| Miqra'ey | Astronomical | Observational | Hebcal.com | Paleotimes.org |
| Pecach | Sun, Apr 13 | Sun, Apr 13 | | |
| Matsah | Mon, Apr 14 | Mon, Apr 14 | Mon, Apr 14 | |
| Bikuwrym | Tue, Apr 15 | Tue, Apr 15 | | |
| Shabuwa' | Tue, Jun 03 | Tue, Jun 03 | Tue, Jun 03 | |
| Taruw'ah | Wed, Sep 24 | Thu, Sep 25 | Wed, Sep 24 | |
| Kippurym | Fri, Oct 03 | Sat, Oct 04 | Fri, Oct 03 | |
| Sukah | Wed, Oct 08 | Thu, Oct 09 | Wed, Oct 08 | |

2015

| | | |
|-------------------------------|------------------------------|------------------------------|
| Daylight Savings: | Fri Mar 27,2015 02:00 | Sun Sep 20,2015 02:00 |
| Astronomical New Moon: | <i>Fri Mar 20,2015 11:37</i> | <i>Sun Sep 13,2015 09:42</i> |
| Day's Sunset : | Fri Mar 20,2015 17:50 | <i>Sun Sep 13,2015 18:48</i> |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Fri Mar 20,2015 17:50 | 17:50 | 0.1050% | 0.26 | 02° 38' 16" | 18:04 | 0.1127% | 00:14 |
| Sat Mar 21,2015 17:51 | 17:51 | 2.3804% | 1.26 | 16° 50' 51" | 19:12 | 2.5940% | 01:21 |
| Sun Mar 22,2015 17:52 | 17:52 | 7.4042% | 2.26 | 29° 33' 11" | 20:19 | 8.0517% | 02:27 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| <i>Sun Sep 13,2015 18:48</i> | 18:48 | 0.1312% | 0.38 | 00° 50' 41" | 18:53 | 0.1335% | 00:05 |
| <i>Mon Sep 14,2015 18:47</i> | 18:47 | 1.6919% | 1.38 | 07° 47' 50" | 19:26 | 1.7588% | 00:39 |
| <i>Tue Sep 15,2015 18:46</i> | 18:46 | 4.9883% | 2.38 | 14° 32' 41" | 19:59 | 5.2000% | 01:13 |

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|------------------|---------------------|----------------------|-------------------|-----------------------|
| Abyb 1 | Fri, Mar 20 | Sat, Mar 21 | Fri, Mar 20 | Sat, Mar 21 |
| Ethanim 1 | Sun, Sep 13 | Mon, Sep 14 | Sun, Sep 13 | Mon, Sep 14 |
| Miqra'ey | Astronomical | Observational | Hebcal.com | Paleotimes.org |
| Pecach | Thu, Apr 02 | Fri, Apr 03 | | Fri, Apr 03 |
| Matsah | Fri, Apr 03 | Sat, Apr 04 | Fri, Apr 03 | Sat, Apr 04 |
| Bikuwrym | Sat, Apr 04 | Sun, Apr 05 | | Sun, Apr 05 |
| Shabuwa' | Sat, May 23 | Sun, May 24 | Sat, May 23 | Sun, May 24 |
| Taruw'ah | Sun, Sep 13 | Mon, Sep 14 | Sun, Sep 13 | Mon, Sep 14 |
| Kippurym | Tue, Sep 22 | Wed, Sep 23 | Tue, Sep 22 | Wed, Sep 23 |

| | | | | |
|--------------|-------------|-------------|-------------|-------------|
| Sukah | Sun, Sep 27 | Mon, Sep 28 | Sun, Sep 27 | Mon, Sep 28 |
|--------------|-------------|-------------|-------------|-------------|

| 2016 | | | |
|-------------------------------|-----------------------|-----------------------|--|
| Daylight Savings: | Fri Apr 01,2016 02:00 | Sun Oct 09,2016 02:00 | |
| Astronomical New Moon: | Wed Mar 09,2016 01:55 | Thu Sep 01,2016 12:04 | |
| Day's Sunset : | Wed Mar 09,2016 17:43 | Thu Sep 01,2016 19:03 | |

| Abib/Aviv/Nisan 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Wed Mar 09,2016 17:43 | 17:43 | 0.4924% | 0.66 | 06° 43' 52" | 18:17 | 0.5339% | 00:34 |
| Thu Mar 10,2016 17:44 | 17:44 | 3.6948% | 1.66 | 20° 18' 03" | 19:25 | 4.0271% | 01:41 |

| Ethanim/Tishri 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Thu Sep 01,2016 19:03 | 19:03 | 0.0869% | 0.29 | 00° 49' 46" | 19:08 | 0.0889% | 00:05 |
| Fri Sep 02,2016 19:01 | 19:01 | 1.6818% | 1.29 | 08° 32' 06" | 19:43 | 1.7575% | 00:42 |
| Sat Sep 03,2016 19:00 | 19:00 | 5.1495% | 2.29 | 15° 38' 25" | 20:17 | 5.3836% | 01:17 |

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|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Wed, Mar 09 | Wed, Mar 09 | |
| Ethanim 1 | Thu, Sep 01 | Fri, Sep 02 | |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Tue, Mar 22 | Tue, Mar 22 | |
| Matsah | Wed, Mar 23 | Wed, Mar 23 | |
| Bikuwrym | Thu, Mar 24 | Thu, Mar 24 | |
| Shabuwa' | Thu, May 12 | Thu, May 12 | |
| Taruw'ah | Thu, Sep 01 | Fri, Sep 02 | |
| Kippurym | Sat, Sep 10 | Sun, Sep 11 | |
| Sukah | Thu, Sep 15 | Fri, Sep 16 | |

| 2016 | | | |
|-------------------------------|-----------------------|-----------------------|--|
| Daylight Savings: | Fri Apr 01,2016 02:00 | Sun Oct 09,2016 02:00 | |
| Astronomical New Moon: | Thu Apr 07,2016 14:24 | Sat Oct 01,2016 03:12 | |
| Day's Sunset : | Thu Apr 07,2016 19:03 | Sat Oct 01,2016 18:24 | |

| Abib/Aviv/Nisan 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Thu Apr 07,2016 19:03 | 19:03 | 0.1083% | 0.19 | 01° 07' 12" | 19:09 | 0.1110% | 00:06 |
| Fri Apr 08,2016 19:04 | 19:04 | 2.2954% | 1.19 | 14° 51' 46" | 20:18 | 2.4888% | 01:14 |

| Ethanim/Tishri 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Sat Oct 01,2016 18:24 | 18:24 | 0.4371% | 0.63 | 05° 12' 58" | 18:50 | 0.4594% | 00:26 |
| Sun Oct 02,2016 18:22 | 18:22 | 2.5517% | 1.63 | 12° 16' 47" | 19:24 | 2.6822% | 01:02 |

| | | | |
|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Thu, Apr 07 | Fri, Apr 08 | Fri, Apr 08 |
| Ethanim 1 | Sat, Oct 01 | Sun, Oct 02 | Sun, Oct 02 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Wed, Apr 20 | Thu, Apr 21 | |
| Matsah | Thu, Apr 21 | Fri, Apr 22 | Fri, Apr 22 |
| Bikuwrym | Fri, Apr 22 | Sat, Apr 23 | |
| Shabuwa' | Fri, Jun 10 | Sat, Jun 11 | Sat, Jun 11 |
| Taruw'ah | Sat, Oct 01 | Sun, Oct 02 | Sun, Oct 02 |
| Kippurym | Mon, Oct 10 | Tue, Oct 11 | Tue, Oct 11 |
| Sukah | Sat, Oct 15 | Sun, Oct 16 | Sun, Oct 16 |

2017

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 31,2017 02:00 | Sun Sep 24,2017 02:00 |
| Astronomical New Moon: | Tue Mar 28,2017 04:58 | Wed Sep 20,2017 08:31 |
| Day's Sunset : | Tue Mar 28,2017 17:56 | Wed Sep 20,2017 18:38 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Tue Mar 28,2017 17:56 | 17:56 | 0.4972% | 0.54 | 05° 32' 13" | 18:24 | 0.5279% | 00:28 |
| Wed Mar 29,2017 17:57 | 17:57 | 3.4493% | 1.54 | 18° 45' 50" | 19:30 | 3.7345% | 01:33 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Wed Sep 20,2017 18:38 | 18:38 | 0.2864% | 0.42 | 04° 37' 48" | 19:01 | 0.3028% | 00:23 |
| Thu Sep 21,2017 18:37 | 18:37 | 2.3855% | 1.42 | 12° 04' 32" | 19:37 | 2.5183% | 01:00 |

| | | | |
|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Tue, Mar 28 | Wed, Mar 29 | Mon, Mar 27 |
| Ethanim 1 | Wed, Sep 20 | Thu, Sep 21 | Wed, Sep 20 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Mon, Apr 10 | Tue, Apr 11 | |
| Matsah | Tue, Apr 11 | Wed, Apr 12 | Mon, Apr 10 |
| Bikuwrym | Wed, Apr 12 | Thu, Apr 13 | |
| Shabuwa' | Wed, May 31 | Thu, Jun 01 | Tue, May 30 |
| Taruw'ah | Wed, Sep 20 | Thu, Sep 21 | Wed, Sep 20 |
| Kippurym | Fri, Sep 29 | Sat, Sep 30 | Fri, Sep 29 |
| Sukah | Wed, Oct 04 | Thu, Oct 05 | Wed, Oct 04 |

2018

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 30,2018 02:00 | Sun Sep 16,2018 02:00 |
| Astronomical New Moon: | Sat Mar 17,2018 15:12 | Sun Sep 09,2018 21:02 |
| Day's Sunset : | Sat Mar 17,2018 17:48 | Sun Sep 09,2018 18:53 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|--------------|----------|-------------|-----------|
| Sat Mar 17,2018 17:48 | 17:48 | 0.1107% | 0.11 | -00° 16' 29" | 17:47 | 0.1105% | 00:00 |
| Sun Mar 18,2018 17:49 | 17:49 | 1.5074% | 1.11 | 11° 29' 10" | 18:46 | 1.6090% | 00:57 |
| Mon Mar 19,2018 17:50 | 17:50 | 5.1586% | 2.11 | 23° 28' 08" | 19:46 | 5.5495% | 01:56 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|-------|-------------|----------|-------------|-----------|
| Sun Sep 09,2018 18:53 | 18:53 | -0.0979% | -0.09 | 00° 56' 17" | 18:58 | -0.0972% | 00:05 |
| Mon Sep 10,2018 18:52 | 18:52 | 1.3087% | 0.91 | 09° 26' 46" | 19:38 | 1.3929% | 00:46 |
| Tue Sep 11,2018 18:51 | 18:51 | 5.1609% | 1.91 | 17° 20' 00" | 20:16 | 5.4624% | 01:25 |

| | | | |
|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Sat, Mar 17 | Sun, Mar 18 | Fri, Mar 16 |
| Ethanim 1 | Mon, Sep 10 | Mon, Sep 10 | Sun, Sep 09 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Fri, Mar 30 | Sat, Mar 31 | |
| Matsah | Sat, Mar 31 | Sun, Apr 01 | Fri, Mar 30 |
| Bikuwrym | Sun, Apr 01 | Mon, Apr 02 | |
| Shabuwa' | Sun, May 20 | Mon, May 21 | Sat, May 19 |
| Taruw'ah | Mon, Sep 10 | Mon, Sep 10 | Sun, Sep 09 |
| Kippurym | Wed, Sep 19 | Wed, Sep 19 | Tue, Sep 18 |
| Sukah | Mon, Sep 24 | Mon, Sep 24 | Sun, Sep 23 |

2019

| | | |
|-------------------------------|-----------------------|------------------------------|
| Daylight Savings: | Fri Mar 29,2019 02:00 | Sun Oct 06,2019 02:00 |
| Astronomical New Moon: | Wed Mar 06,2019 18:05 | <i>Fri Aug 30,2019 13:38</i> |
| Day's Sunset : | Wed Mar 06,2019 17:40 | <i>Fri Aug 30,2019 19:06</i> |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|-------|--------------|----------|-------------|-----------|
| Wed Mar 06,2019 17:40 | 17:40 | 0.1175% | -0.02 | -01° 49' 09" | 17:32 | 0.1244% | 00:00 |
| Thu Mar 07,2019 17:41 | 17:41 | 1.0443% | 0.98 | 08° 50' 59" | 19:26 | 1.1030% | 01:45 |
| Fri Mar 08,2019 17:42 | 17:42 | 3.8110% | 1.98 | 19° 38' 21" | 20:20 | 4.0653% | 02:38 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|----------------|-------------|--------------------|--------------|----------------|--------------|
| <i>Fri Aug 30,2019 19:06</i> | <i>19:06</i> | <i>0.2107%</i> | <i>0.23</i> | <i>04° 09' 04"</i> | <i>19:27</i> | <i>0.2221%</i> | <i>00:00</i> |
| <i>Sat Aug 31,2019 19:05</i> | <i>19:05</i> | <i>2.5024%</i> | <i>1.23</i> | <i>12° 57' 20"</i> | <i>20:08</i> | <i>2.6709%</i> | <i>01:03</i> |

| | | | |
|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Thu, Mar 07 | Thu, Mar 07 | |
| Ethanim 1 | Fri, Aug 30 | Sat, Aug 31 | |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Wed, Mar 20 | Wed, Mar 20 | |
| Matsah | Thu, Mar 21 | Thu, Mar 21 | |
| Bikuwrym | Fri, Mar 22 | Fri, Mar 22 | |
| Shabuwa' | Fri, May 10 | Fri, May 10 | |
| Taruw'ah | Fri, Aug 30 | Sat, Aug 31 | |
| Kippurym | Sun, Sep 08 | Mon, Sep 09 | |
| Sukah | Fri, Sep 13 | Sat, Sep 14 | |

2019

| | | |
|-------------------------------|------------------------------|------------------------------|
| Daylight Savings: | Fri Mar 29,2019 02:00 | Sun Oct 06,2019 02:00 |
| Astronomical New Moon: | <i>Fri Apr 05,2019 11:51</i> | <i>Sat Sep 28,2019 21:27</i> |
| Day's Sunset : | <i>Fri Apr 05,2019 19:01</i> | <i>Sat Sep 28,2019 18:27</i> |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|----------------|-------------|--------------------|--------------|----------------|--------------|
| <i>Fri Apr 05,2019 19:01</i> | <i>19:01</i> | <i>0.2785%</i> | <i>0.30</i> | <i>01° 27' 00"</i> | <i>19:09</i> | <i>0.2819%</i> | <i>00:08</i> |
| <i>Sat Apr 06,2019 19:02</i> | <i>19:02</i> | <i>1.8826%</i> | <i>8.71</i> | <i>12° 42' 54"</i> | <i>20:05</i> | <i>1.9989%</i> | <i>01:03</i> |
| <i>Sun Apr 07,2019 19:02</i> | <i>19:02</i> | <i>5.5017%</i> | <i>2.30</i> | <i>24° 22' 08"</i> | <i>21:03</i> | <i>5.8966%</i> | <i>02:01</i> |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|-----------------|--------------|--------------------|--------------|-----------------|--------------|
| <i>Sat Sep 28,2019 18:27</i> | <i>18:27</i> | <i>-0.2102%</i> | <i>-0.13</i> | <i>02° 13' 30"</i> | <i>18:38</i> | <i>-0.2074%</i> | <i>00:11</i> |
| <i>Sun Sep 29,2019 18:27</i> | <i>18:27</i> | <i>1.3581%</i> | <i>0.88</i> | <i>10° 06' 00"</i> | <i>19:17</i> | <i>1.4514%</i> | <i>00:50</i> |
| <i>Mon Sep 30,2019 18:26</i> | <i>18:26</i> | <i>5.3668%</i> | <i>1.87</i> | <i>17° 33' 11"</i> | <i>19:55</i> | <i>5.6995%</i> | <i>01:29</i> |

| | | | |
|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Fri, Apr 05 | Sat, Apr 06 | Fri, Apr 05 |
| Ethanim 1 | Sun, Sep 29 | Sun, Sep 29 | Tue, Sep 29 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Thu, Apr 18 | Fri, Apr 19 | |
| Matsah | Fri, Apr 19 | Sat, Apr 20 | Fri, Apr 19 |
| Bikuwrym | Sat, Apr 20 | Sun, Apr 21 | |
| Shabuwa' | Sat, Jun 08 | Sun, Jun 09 | Sat, Jun 08 |
| Taruw'ah | Sun, Sep 29 | Sun, Sep 29 | Tue, Sep 29 |
| Kippurym | Tue, Oct 08 | Tue, Oct 08 | Thu, Oct 08 |
| Sukah | Sun, Oct 13 | Sun, Oct 13 | Tue, Oct 13 |

2020

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 27,2020 02:00 | Sun Sep 27,2020 02:00 |
| Astronomical New Moon: | Tue Mar 24,2020 11:29 | Thu Sep 17,2020 14:01 |
| Day's Sunset : | Tue Mar 24,2020 17:53 | Thu Sep 17,2020 18:42 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Tue Mar 24,2020 17:53 | 17:53 | 0.2532% | 0.27 | 00° 56' 16" | 17:59 | 0.2549% | 00:06 |
| Wed Mar 25,2020 17:54 | 17:54 | 1.6159% | 1.27 | 11° 48' 21" | 18:53 | 1.7093% | 00:59 |
| Thu Mar 26,2020 17:55 | 17:55 | 4.7238% | 2.27 | 22° 30' 21" | 19:46 | 5.0335% | 01:51 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|----------------|-------------|--------------------|--------------|----------------|--------------|
| <i>Thu Sep 17,2020 18:42</i> | <i>18:42</i> | <i>0.2479%</i> | <i>0.20</i> | <i>04° 32' 54"</i> | <i>19:05</i> | <i>0.2576%</i> | <i>00:23</i> |
| <i>Fri Sep 18,2020 18:41</i> | <i>18:41</i> | <i>2.3341%</i> | <i>1.19</i> | <i>12° 18' 13"</i> | <i>19:41</i> | <i>2.4854%</i> | <i>01:00</i> |
| <i>Sat Sep 19,2020 18:39</i> | <i>18:39</i> | <i>7.2915%</i> | <i>2.19</i> | <i>19° 36' 10"</i> | <i>20:18</i> | <i>7.7296%</i> | <i>01:39</i> |

| | | | |
|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Tue, Mar 24 | Wed, Mar 25 | Wed, Mar 25 |
| Ethanim 1 | Thu, Sep 17 | Fri, Sep 18 | Fri, Sep 18 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Mon, Apr 06 | Tue, Apr 07 | |
| Matsah | Tue, Apr 07 | Wed, Apr 08 | Wed, Apr 08 |
| Bikuwrym | Wed, Apr 08 | Thu, Apr 09 | |
| Shabuwa' | Wed, May 27 | Thu, May 28 | Thu, May 28 |
| Taruw'ah | Thu, Sep 17 | Fri, Sep 18 | Fri, Sep 18 |
| Kippurym | Sat, Sep 26 | Sun, Sep 27 | Sun, Sep 27 |
| Sukah | Thu, Oct 01 | Fri, Oct 02 | Fri, Oct 02 |

2021

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 26,2021 02:00 | Sun Sep 12,2021 02:00 |
| Astronomical New Moon: | Sat Mar 13,2021 12:22 | Tue Sep 07,2021 13:52 |
| Day's Sunset : | Sat Mar 13,2021 17:46 | Tue Sep 07,2021 18:55 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Sat Mar 13,2021 17:46 | 17:46 | 0.2343% | 0.22 | 00° 40' 26" | 17:50 | 0.2355% | 00:04 |
| Sun Mar 14,2021 17:46 | 17:46 | 1.6347% | 1.22 | 12° 03' 17" | 18:46 | 1.7339% | 01:00 |
| Mon Mar 15,2021 17:47 | 17:47 | 4.8641% | 2.23 | 23° 04' 30" | 19:41 | 5.1921% | 01:54 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|----------------|-------------|--------------------|--------------|----------------|--------------|
| <i>Tue Sep 07,2021 18:55</i> | <i>18:55</i> | <i>0.6699%</i> | <i>0.21</i> | <i>07° 31' 48"</i> | <i>19:32</i> | <i>0.7109%</i> | <i>00:37</i> |
| <i>Wed Sep 08,2021 18:54</i> | <i>18:54</i> | <i>3.5099%</i> | <i>1.21</i> | <i>14° 27' 05"</i> | <i>20:05</i> | <i>3.7156%</i> | <i>01:11</i> |

| | | | |
|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Sat, Mar 13 | Sun, Mar 14 | Sat, Mar 13 |
| Ethanim 1 | Tue, Sep 07 | Wed, Sep 08 | Mon, Sep 06 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Fri, Mar 26 | Sat, Mar 27 | |
| Matsah | Sat, Mar 27 | Sun, Mar 28 | Sat, Mar 27 |
| Bikuwrym | Sun, Mar 28 | Mon, Mar 29 | |
| Shabuwa' | Sun, May 16 | Mon, May 17 | Sun, May 16 |
| Taruw'ah | Tue, Sep 07 | Wed, Sep 08 | Mon, Sep 06 |
| Kippurym | Thu, Sep 16 | Fri, Sep 17 | Wed, Sep 15 |
| Sukah | Tue, Sep 21 | Wed, Sep 22 | Mon, Sep 20 |

2022

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Apr 01,2022 02:00 | Sun Oct 02,2022 02:00 |
| Astronomical New Moon: | Fri Apr 01,2022 09:25 | Mon Sep 26,2022 00:55 |
| Day's Sunset : | Fri Apr 01,2022 18:59 | Mon Sep 26,2022 18:31 |

| Abib/Aviv/Nisan 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| <i>Fri Apr 01,2022 18:59</i> | 18:59 | 0.2471% | 0.40 | 03° 03' 24" | 19:15 | 0.2565% | 00:16 |
| <i>Sat Apr 02,2022 18:59</i> | 18:59 | 2.1360% | 1.40 | 15° 03' 23" | 20:14 | 2.2901% | 01:15 |
| <i>Sun Apr 03,2022 19:00</i> | 19:00 | 5.9777% | 2.40 | 26° 35' 43" | 21:13 | 6.4211% | 02:13 |

| Ethanim/Tishri 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| <i>Mon Sep 26,2022 18:31</i> | 18:31 | 0.6550% | 0.73 | 06° 07' 45" | 19:01 | 0.6889% | 00:30 |
| <i>Tue Sep 27,2022 18:30</i> | 18:30 | 3.4020% | 1.73 | 12° 02' 23" | 19:31 | 3.5689% | 01:01 |

| | | | |
|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Fri, Apr 01 | Sat, Apr 02 | Fri, Apr 01 |
| Ethanim 1 | Mon, Sep 26 | Tue, Sep 27 | Sun, Sep 25 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Thu, Apr 14 | Fri, Apr 15 | |
| Matsah | Fri, Apr 15 | Sat, Apr 16 | Fri, Apr 15 |
| Bikuwrym | Sat, Apr 16 | Sun, Apr 17 | |
| Shabuwa' | Sat, Jun 04 | Sun, Jun 05 | Sat, Jun 04 |
| Taruw'ah | Mon, Sep 26 | Tue, Sep 27 | Sun, Sep 25 |
| Kippurym | Wed, Oct 05 | Thu, Oct 06 | Tue, Oct 04 |
| Sukah | Mon, Oct 10 | Tue, Oct 11 | Sun, Oct 09 |

2023

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 31,2023 02:00 | Sun Sep 24,2023 02:00 |
| Astronomical New Moon: | Tue Mar 21,2023 19:24 | Fri Sep 15,2023 04:40 |
| Day's Sunset : | Tue Mar 21,2023 17:51 | Fri Sep 15,2023 18:46 |

| Abib/Aviv/Nisan 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|---------|-------------|-------|--------------|----------|-------------|-----------|
| <i>Tue Mar 21,2023 17:51</i> | 17:51 | -0.0721% | -0.06 | -02° 25' 25" | 17:40 | -0.0740% | 00:00 |
| <i>Wed Mar 22,2023 17:52</i> | 17:52 | 1.2219% | 0.94 | 10° 57' 10" | 18:47 | 1.3189% | 00:55 |
| <i>Thu Mar 23,2023 17:52</i> | 17:52 | 4.9330% | 1.94 | 24° 13' 19" | 19:52 | 5.3455% | 02:00 |

| Ethanim/Tishri 1 | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| <i>Fri Sep 15,2023 18:46</i> | 18:46 | 0.3577% | 0.59 | 04° 23' 31" | 19:08 | 0.3740% | 00:22 |
| <i>Sat Sep 16,2023 18:44</i> | 18:44 | 2.3388% | 1.59 | 09° 55' 26" | 19:33 | 2.4391% | 00:49 |
| <i>Sun Sep 17,2023 18:43</i> | 18:43 | 6.1710% | 2.59 | 14° 58' 02" | 19:59 | 6.4238% | 01:16 |

| | | | |
|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Wed, Mar 22 | Wed, Mar 22 | Wed, Mar 22 |
| Ethanim 1 | Fri, Sep 15 | Sat, Sep 16 | Fri, Sep 15 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Tue, Apr 04 | Tue, Apr 04 | |
| Matsah | Wed, Apr 05 | Wed, Apr 05 | Wed, Apr 05 |
| Bikuwrym | Thu, Apr 06 | Thu, Apr 06 | |
| Shabuwa' | Thu, May 25 | Thu, May 25 | Thu, May 25 |
| Taruw'ah | Fri, Sep 15 | Sat, Sep 16 | Fri, Sep 15 |
| Kippurym | Sun, Sep 24 | Mon, Sep 25 | Sun, Sep 24 |
| Sukah | Fri, Sep 29 | Sat, Sep 30 | Fri, Sep 29 |

2024

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 29,2024 02:00 | Sun Oct 06,2024 02:00 |
| Astronomical New Moon: | Sun Mar 10,2024 11:01 | Wed Oct 02,2024 21:50 |
| Day's Sunset : | Sun Mar 10,2024 17:44 | Wed Oct 02,2024 18:22 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Sun Mar 10,2024 17:44 | 17:44 | 0.1484% | 0.28 | 02° 28' 54" | 17:57 | 0.1560% | 00:13 |
| Mon Mar 11,2024 17:45 | 17:45 | 2.5032% | 1.28 | 16° 38' 52" | 19:08 | 2.7288% | 01:23 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|-------|--------------|----------|-------------|-----------|
| Wed Oct 02,2024 18:22 | 18:22 | -0.0190% | -0.14 | -02° 01' 55" | 15:13 | -0.0207% | 00:00 |
| Thu Oct 03,2024 18:21 | 18:21 | 0.6616% | 0.85 | 03° 12' 29" | 18:38 | 0.6799% | 00:17 |
| Fri Oct 04,2024 18:20 | 18:20 | 3.0828% | 1.85 | 08° 22' 14" | 19:04 | 3.1843% | 00:44 |

Abyb 1 Sun, Mar 10 Mon, Mar 11 Mon, Apr 08

Ethanim 1 Thu, Oct 03 Fri, Oct 04 Wed, Oct 02

Miqra'ey **Astronomical** **Observational** **Hebcal.com**

| | | | |
|-----------------|-------------|-------------|-------------|
| Pecach | Sat, Mar 23 | Sun, Mar 24 | |
| Matsah | Sun, Mar 24 | Mon, Mar 25 | Mon, Apr 22 |
| Bikuwrym | Mon, Mar 25 | Tue, Mar 26 | |
| Shabuwa' | Mon, May 13 | Tue, May 14 | Tue, Jun 11 |
| Taruw'ah | Thu, Oct 03 | Fri, Oct 04 | Wed, Oct 02 |
| Kippurym | Sat, Oct 12 | Sun, Oct 13 | Fri, Oct 11 |
| Sukah | Thu, Oct 17 | Fri, Oct 18 | Wed, Oct 16 |

2025

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 28,2025 02:00 | Sun Sep 28,2025 02:00 |
| Astronomical New Moon: | Sat Mar 29,2025 13:58 | Sun Sep 21,2025 22:55 |
| Day's Sunset : | Sat Mar 29,2025 18:57 | Sun Sep 21,2025 18:37 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Sat Mar 29,2025 18:57 | 18:57 | 0.0788% | 0.21 | 01° 54' 08" | 19:07 | 0.0834% | 00:10 |
| Sun Mar 30,2025 18:57 | 18:57 | 2.2629% | 1.21 | 16° 15' 49" | 20:19 | 2.4774% | 01:22 |
| Mon Mar 31,2025 18:58 | 18:58 | 7.3448% | 2.21 | 30° 21' 37" | 21:33 | 8.0473% | 02:35 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|-------|--------------|----------|-------------|-----------|
| Sun Sep 21,2025 18:37 | 18:37 | -0.0367% | -0.18 | -02° 53' 44" | 18:24 | -0.0399% | 00:00 |
| Mon Sep 22,2025 18:36 | 18:36 | 0.6813% | 0.82 | 02° 34' 12" | 18:49 | 0.6960% | 00:13 |
| Tue Sep 23,2025 18:34 | 18:34 | 3.2087% | 1.82 | 08° 03' 15" | 19:15 | 3.3068% | 00:41 |

Abyb 1 Sat, Mar 29 Sun, Mar 30 Sat, Mar 29

Ethanim 1 Mon, Sep 22 Tue, Sep 23 Mon, Sep 22

Miqra'ey **Astronomical** **Observational** **Hebcal.com**

| | | | |
|-----------------|-------------|-------------|-------------|
| Pecach | Fri, Apr 11 | Sat, Apr 12 | |
| Matsah | Sat, Apr 12 | Sun, Apr 13 | Sat, Apr 12 |
| Bikuwrym | Sun, Apr 13 | Mon, Apr 14 | |
| Shabuwa' | Sun, Jun 01 | Mon, Jun 02 | Sun, Jun 01 |
| Taruw'ah | Mon, Sep 22 | Tue, Sep 23 | Mon, Sep 22 |
| Kippurym | Wed, Oct 01 | Thu, Oct 02 | Wed, Oct 01 |
| Sukah | Mon, Oct 06 | Tue, Oct 07 | Mon, Oct 06 |

2026

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 27,2026 02:00 | Sun Sep 20,2026 02:00 |
| Astronomical New Moon: | Thu Mar 19,2026 03:24 | Fri Sep 11,2026 06:28 |
| Day's Sunset : | Thu Mar 19,2026 17:50 | Fri Sep 11,2026 18:50 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Thu Mar 19,2026 17:50 | 17:50 | 0.5157% | 0.60 | 06° 57' 29" | 18:25 | 0.5557% | 00:35 |
| Fri Mar 20,2026 17:50 | 17:50 | 3.4549% | 1.60 | 20° 23' 40" | 19:32 | 3.7627% | 01:42 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|----------------|-------------|--------------------|--------------|----------------|--------------|
| <i>Fri Sep 11,2026 18:50</i> | <i>18:50</i> | <i>0.3653%</i> | <i>0.52</i> | <i>00° 52' 21"</i> | <i>18:55</i> | <i>0.3698%</i> | <i>00:05</i> |
| <i>Sat Sep 12,2026 18:49</i> | <i>18:49</i> | <i>2.8097%</i> | <i>1.51</i> | <i>00° 00' 00"</i> | <i>19:24</i> | <i>2.8965%</i> | <i>00:35</i> |

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|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Thu, Mar 19 | Fri, Mar 20 | Wed, Mar 18 |
| Ethanim 1 | Sat, Sep 12 | Sat, Sep 12 | Fri, Sep 11 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Wed, Apr 01 | Thu, Apr 02 | |
| Matsah | Thu, Apr 02 | Fri, Apr 03 | Wed, Apr 01 |
| Bikuwrym | Fri, Apr 03 | Sat, Apr 04 | |
| Shabuwa' | Fri, May 22 | Sat, May 23 | Thu, May 21 |
| Taruw'ah | Sat, Sep 12 | Sat, Sep 12 | Fri, Sep 11 |
| Kippurym | Mon, Sep 21 | Mon, Sep 21 | Sun, Sep 20 |
| Sukah | Sat, Sep 26 | Sat, Sep 26 | Fri, Sep 25 |

2027

| | | |
|-------------------------------|------------------------------|------------------------------|
| Daylight Savings: | Fri Mar 26,2027 02:00 | Sun Oct 10,2027 02:00 |
| Astronomical New Moon: | <i>Mon Mar 08,2027 11:30</i> | <i>Tue Aug 31,2027 20:42</i> |
| Day's Sunset : | Mon Mar 08,2027 17:42 | <i>Tue Aug 31,2027 19:05</i> |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Mon Mar 08,2027 17:42 | 17:42 | 0.1216% | 0.26 | 02° 13' 41" | 17:54 | 0.1265% | 00:12 |
| Tue Mar 09,2027 17:43 | 17:43 | 1.7416% | 1.26 | 13° 53' 38" | 18:52 | 1.8722% | 01:09 |
| Wed Mar 10,2027 17:43 | 17:43 | 5.4708% | 2.26 | 25° 59' 36" | 19:52 | 5.9066% | 02:09 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|-----------------|--------------|---------------------|--------------|-----------------|--------------|
| <i>Tue Aug 31,2027 19:05</i> | <i>19:05</i> | <i>-0.0466%</i> | <i>-0.07</i> | <i>-00° 48' 04"</i> | <i>18:48</i> | <i>-0.0487%</i> | <i>00:00</i> |
| <i>Wed Sep 01,2027 19:04</i> | <i>19:04</i> | <i>1.3701%</i> | <i>0.93</i> | 03° 32' 16" | <i>19:22</i> | <i>1.4050%</i> | <i>00:18</i> |
| <i>Thu Sep 02,2027 19:02</i> | <i>19:02</i> | <i>5.4565%</i> | <i>1.93</i> | <i>12° 51' 55"</i> | <i>19:54</i> | <i>5.6507%</i> | <i>00:52</i> |

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|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Mon, Mar 08 | Tue, Mar 09 | |
| Ethanim 1 | Wed, Sep 01 | Thu, Sep 02 | |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Sun, Mar 21 | Mon, Mar 22 | |
| Matsah | Mon, Mar 22 | Tue, Mar 23 | |
| Bikuwrym | Tue, Mar 23 | Wed, Mar 24 | |
| Shabuwa' | Tue, May 11 | Wed, May 12 | |
| Taruw'ah | Wed, Sep 01 | Thu, Sep 02 | |
| Kippurym | Fri, Sep 10 | Sat, Sep 11 | |
| Sukah | Wed, Sep 15 | Thu, Sep 16 | |

2027

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 26,2027 02:00 | Sun Oct 10,2027 02:00 |
| Astronomical New Moon: | Wed Apr 07,2027 02:52 | Thu Sep 30,2027 05:37 |
| Day's Sunset : | Wed Apr 07,2027 19:02 | Thu Sep 30,2027 18:26 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Wed Apr 07,2027 19:02 | 19:02 | 0.6988% | 0.67 | 08° 00' 34" | 19:43 | 0.7459% | 00:41 |
| Thu Apr 08,2027 19:03 | 19:03 | 3.5137% | 1.67 | 20° 29' 37" | 20:49 | 3.8147% | 01:46 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|--------------------|----------|-------------|-----------|
| Thu Sep 30,2027 18:26 | 18:26 | 0.5539% | 0.53 | -00° 48' 04" | 18:23 | 0.5508% | 00:00 |
| Fri Oct 01,2027 18:25 | 18:25 | 3.3259% | 1.53 | 06° 09' 09" | 18:58 | 3.4179% | 00:33 |
| Sat Oct 02,2027 18:23 | 18:23 | 8.3747% | 2.53 | 12° 51' 55" | 19:36 | 8.6835% | 01:13 |

| | | | |
|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Wed, Apr 07 | Thu, Apr 08 | Wed, Apr 07 |
| Ethanim 1 | Fri, Oct 01 | Fri, Oct 01 | Fri, Oct 01 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Tue, Apr 20 | Wed, Apr 21 | |
| Matsah | Wed, Apr 21 | Thu, Apr 22 | Wed, Apr 21 |
| Bikuwrym | Thu, Apr 22 | Fri, Apr 23 | |
| Shabuwa' | Thu, Jun 10 | Fri, Jun 11 | Thu, Jun 10 |
| Taruw'ah | Fri, Oct 01 | Fri, Oct 01 | Fri, Oct 01 |
| Kippurym | Sun, Oct 10 | Sun, Oct 10 | Sun, Oct 10 |
| Sukah | Fri, Oct 15 | Fri, Oct 15 | Fri, Oct 15 |

2028

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 31,2028 02:00 | Sun Sep 24,2028 02:00 |
| Astronomical New Moon: | Sun Mar 26,2028 06:32 | Mon Sep 18,2028 21:24 |
| Day's Sunset : | Sun Mar 26,2028 17:55 | Mon Sep 18,2028 18:41 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Sun Mar 26,2028 17:55 | 17:55 | 0.3884% | 0.47 | 04° 49' 11" | 18:20 | 0.4048% | 00:25 |
| Mon Mar 27,2028 17:56 | 17:56 | 2.2704% | 1.47 | 15° 56' 59" | 19:16 | 2.4309% | 01:20 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|-------|--------------------|----------|-------------|--------------|
| Mon Sep 18,2028 18:41 | 18:41 | -0.1770% | -0.11 | -05° 50' 54" | 18:13 | -0.1837% | 00:00 |
| Tue Sep 19,2028 18:39 | 18:39 | 1.4052% | 0.89 | 02° 01' 39" | 18:50 | 1.4263% | 00:11 |
| Wed Sep 20,2028 18:38 | 18:38 | 5.5687% | 1.88 | 09° 29' 48" | 19:28 | 5.7614% | 00:50 |

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|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Sun, Mar 26 | Mon, Mar 27 | Mon, Mar 27 |
| Ethanim 1 | Tue, Sep 19 | Wed, Sep 20 | Wed, Sep 20 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Sat, Apr 08 | Sun, Apr 09 | |
| Matsah | Sun, Apr 09 | Mon, Apr 10 | Mon, Apr 10 |
| Bikuwrym | Mon, Apr 10 | Tue, Apr 11 | |
| Shabuwa' | Mon, May 29 | Tue, May 30 | Tue, May 30 |
| Taruw'ah | Tue, Sep 19 | Wed, Sep 20 | Wed, Sep 20 |
| Kippurym | Thu, Sep 28 | Fri, Sep 29 | Fri, Sep 29 |
| Sukah | Tue, Oct 03 | Wed, Oct 04 | Wed, Oct 04 |

2029

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 30,2029 02:00 | Sun Sep 16,2029 02:00 |
| Astronomical New Moon: | Thu Mar 15,2029 06:20 | Sat Sep 08,2029 13:45 |
| Day's Sunset : | Thu Mar 15,2029 17:47 | Sat Sep 08,2029 18:54 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Thu Mar 15,2029 17:47 | 17:47 | 0.3919% | 0.48 | 04° 48' 50" | 18:11 | 0.4068% | 00:24 |
| Fri Mar 16,2029 17:48 | 17:48 | 2.1550% | 1.48 | 15° 32' 14" | 19:05 | 2.2982% | 01:17 |
| Sat Mar 17,2029 17:49 | 17:49 | 5.6269% | 2.48 | 26° 14' 13" | 20:00 | 6.0235% | 02:11 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|--------------------|----------|-------------|--------------|
| Sat Sep 08,2029 18:54 | 18:54 | 0.2507% | 0.21 | -03° 25' 05" | 18:38 | 0.2437% | 00:00 |
| Sun Sep 09,2029 18:53 | 18:53 | 2.3517% | 1.21 | 04° 17' 14" | 19:15 | 2.4062% | 00:22 |
| Mon Sep 10,2029 18:50 | 18:50 | 7.2645% | 2.21 | 12° 00' 27" | 19:53 | 7.5352% | 01:03 |

| | | | |
|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Thu, Mar 15 | Fri, Mar 16 | Fri, Mar 16 |
| Ethanim 1 | Sun, Sep 09 | Mon, Sep 10 | Sun, Sep 09 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Wed, Mar 28 | Thu, Mar 29 | |
| Matsah | Thu, Mar 29 | Fri, Mar 30 | Fri, Mar 30 |
| Bikuwrym | Fri, Mar 30 | Sat, Mar 31 | |
| Shabuwa' | Fri, May 18 | Sat, May 19 | Sat, May 19 |
| Taruw'ah | Sun, Sep 09 | Mon, Sep 10 | Sun, Sep 09 |
| Kippurym | Tue, Sep 18 | Wed, Sep 19 | Tue, Sep 18 |
| Sukah | Sun, Sep 23 | Mon, Sep 24 | Sun, Sep 23 |

2030

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 29,2030 02:00 | Sun Oct 06,2030 02:00 |
| Astronomical New Moon: | Wed Apr 03,2030 01:03 | Fri Sep 27,2030 12:55 |
| Day's Sunset : | Wed Apr 03,2030 19:00 | Fri Sep 27,2030 18:29 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|-------|--------------|----------|-------------|-----------|
| Tue Apr 02,2030 18:59 | 18:59 | -0.2309% | -0.25 | -03° 07' 02" | 18:44 | -0.2364% | 00:00 |
| Wed Apr 03,2030 19:00 | 19:00 | 0.6688% | 0.75 | 07° 49' 56" | 19:40 | 0.7079% | 00:40 |
| Thu Apr 04,2030 19:01 | 19:01 | 2.9557% | 1.75 | 18° 37' 26" | 20:35 | 3.1659% | 01:34 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|--------------------|----------|-------------|--------------|
| Fri Sep 27,2030 18:29 | 18:29 | 0.2229% | 0.23 | -02° 56' 15" | 18:15 | 0.2175% | 00:00 |
| Sat Sep 28,2030 18:28 | 18:28 | 2.1290% | 1.23 | 05° 03' 21" | 18:54 | 2.1880% | 00:26 |
| Sun Sep 29,2030 18:27 | 18:27 | 6.6722% | 2.23 | 12° 58' 16" | 19:37 | 6.9576% | 01:10 |

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|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Wed, Apr 03 | Thu, Apr 04 | Wed, Apr 03 |
| Ethanim 1 | Sat, Sep 28 | Sat, Sep 28 | Fri, Sep 27 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Tue, Apr 16 | Wed, Apr 17 | |
| Matsah | Wed, Apr 17 | Thu, Apr 18 | Wed, Apr 17 |
| Bikuwrym | Thu, Apr 18 | Fri, Apr 19 | |
| Shabuwa' | Thu, Jun 06 | Fri, Jun 07 | Thu, Jun 06 |
| Taruw'ah | Sat, Sep 28 | Sat, Sep 28 | Fri, Sep 27 |
| Kippurym | Mon, Oct 07 | Mon, Oct 07 | Sun, Oct 06 |

| | | | |
|--------------|-------------|-------------|-------------|
| Sukah | Sat, Oct 12 | Sat, Oct 12 | Fri, Oct 11 |
|--------------|-------------|-------------|-------------|

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|-------------|
| 2031 |
|-------------|

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|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 28,2031 02:00 | Sun Sep 21,2031 02:00 |
| Astronomical New Moon: | Sun Mar 23,2031 05:50 | Tue Sep 16,2031 21:48 |
| Day's Sunset : | Sun Mar 23,2031 17:52 | Tue Sep 16,2031 18:44 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Sun Mar 23,2031 17:52 | 17:52 | 0.4163% | 0.50 | 05° 44' 03" | 18:21 | 0.4397% | 00:29 |
| Mon Mar 24,2031 17:53 | 17:53 | 2.6658% | 1.50 | 17° 41' 29" | 19:21 | 2.8721% | 01:28 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|-----------------|--------------|---------------------|--------------|-----------------|--------------|
| <i>Tue Sep 16,2031 18:44</i> | <i>18:44</i> | <i>-0.1602%</i> | <i>-0.13</i> | <i>-05° 27' 15"</i> | <i>18:19</i> | <i>-0.1658%</i> | <i>00:00</i> |
| <i>Wed Sep 17,2031 18:43</i> | <i>18:43</i> | <i>0.9006%</i> | <i>0.87</i> | <i>01° 42' 44"</i> | <i>18:52</i> | <i>0.9119%</i> | <i>00:09</i> |
| <i>Thu Sep 18,2031 18:42</i> | <i>18:42</i> | <i>3.7707%</i> | <i>1.87</i> | <i>08° 57' 06"</i> | <i>19:28</i> | <i>3.8977%</i> | <i>00:46</i> |

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|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Sun, Mar 23 | Mon, Mar 24 | Mon, Mar 24 |
| Ethanim 1 | Wed, Sep 17 | Thu, Sep 18 | Wed, Sep 17 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Sat, Apr 05 | Sun, Apr 06 | |
| Matsah | Sun, Apr 06 | Mon, Apr 07 | Mon, Apr 07 |
| Bikuwrym | Mon, Apr 07 | Tue, Apr 08 | |
| Shabuwa' | Mon, May 26 | Tue, May 27 | Tue, May 27 |
| Taruw'ah | Wed, Sep 17 | Thu, Sep 18 | Wed, Sep 17 |
| Kippurym | Fri, Sep 26 | Sat, Sep 27 | Fri, Sep 26 |
| Sukah | Wed, Oct 01 | Thu, Oct 02 | Wed, Oct 01 |

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| 2032 |
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|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Mar 26,2032 02:00 | Sun Sep 12,2032 02:00 |
| Astronomical New Moon: | Thu Mar 11,2032 18:25 | Sat Sep 04,2032 23:57 |
| Day's Sunset : | Thu Mar 11,2032 17:45 | Sun Sep 05,2032 18:58 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|-------|--------------|----------|-------------|-----------|
| Thu Mar 11,2032 17:45 | 17:45 | -0.1169% | -0.03 | -01° 00' 36" | 17:41 | -0.1173% | 00:00 |
| Fri Mar 12,2032 17:45 | 17:45 | 1.4283% | 0.97 | 12° 37' 34" | 18:48 | 1.7952% | 01:03 |
| Sat Mar 13,2032 17:46 | 17:46 | 5.4293% | 1.97 | 25° 43' 32" | 19:54 | 5.9005% | 02:08 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|------------------------------|--------------|----------------|-------------|--------------------|--------------|----------------|--------------|
| <i>Sun Sep 05,2032 18:58</i> | <i>18:58</i> | <i>0.6478%</i> | <i>0.79</i> | <i>01° 08' 19"</i> | <i>19:04</i> | <i>0.6536%</i> | <i>00:06</i> |
| <i>Mon Sep 06,2032 18:56</i> | <i>18:56</i> | <i>2.9360%</i> | <i>1.79</i> | <i>08° 09' 38"</i> | <i>19:37</i> | <i>3.0274%</i> | <i>00:41</i> |

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|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Fri, Mar 12 | Fri, Mar 12 | Fri, Mar 26 |
| Ethanim 1 | Mon, Sep 06 | Mon, Sep 06 | Sun, Sep 05 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Thu, Mar 25 | Thu, Mar 25 | |
| Matsah | Fri, Mar 26 | Fri, Mar 26 | Fri, Apr 09 |
| Bikuwrym | Sat, Mar 27 | Sat, Mar 27 | |
| Shabuwa' | Sat, May 15 | Sat, May 15 | Sat, May 29 |
| Taruw'ah | Mon, Sep 06 | Mon, Sep 06 | Sun, Sep 05 |
| Kippurym | Wed, Sep 15 | Wed, Sep 15 | Tue, Sep 14 |
| Sukah | Mon, Sep 20 | Mon, Sep 20 | Sun, Sep 19 |

2033

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Apr 01,2033 02:00 | Wed Oct 12,2033 02:00 |
| Astronomical New Moon: | Tue Mar 01,2033 10:24 | Thu Aug 25,2033 00:31 |
| Day's Sunset : | Tue Mar 01,2033 17:37 | Thu Aug 25,2033 19:11 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Tue Mar 01,2033 17:37 | 17:37 | 0.2110% | 0.30 | 03° 36' 33" | 17:55 | 0.2223% | 00:18 |
| Wed Mar 02,2033 17:38 | 17:38 | 2.6205% | 1.30 | 17° 23' 16" | 19:05 | 2.8613% | 01:27 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|-------------|----------|-------------|-----------|
| Thu Aug 25,2033 19:11 | 19:11 | 0.6197% | 0.78 | 01° 54' 31" | 19:21 | 0.6296% | 00:10 |
| Fri Aug 26,2033 19:10 | 19:10 | 2.9360% | 1.78 | 09° 01' 15" | 19:54 | 3.0345% | 00:44 |

| | | | |
|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Tue, Mar 01 | Wed, Mar 02 | |
| Ethanim 1 | Thu, Aug 25 | Fri, Aug 26 | |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Mon, Mar 14 | Tue, Mar 15 | |
| Matsah | Tue, Mar 15 | Wed, Mar 16 | |
| Bikuwrym | Wed, Mar 16 | Thu, Mar 17 | |
| Shabuwa' | Wed, May 04 | Thu, May 05 | |
| Taruw'ah | Thu, Aug 25 | Fri, Aug 26 | |
| Kippurym | Sat, Sep 03 | Sun, Sep 04 | |
| Sukah | Thu, Sep 08 | Fri, Sep 09 | |

2033

| | | |
|-------------------------------|-----------------------|-----------------------|
| Daylight Savings: | Fri Apr 01,2033 02:00 | Wed Oct 12,2033 02:00 |
| Astronomical New Moon: | Wed Mar 30,2033 19:52 | Fri Sep 23,2033 16:41 |
| Day's Sunset : | Wed Mar 30,2033 17:57 | Fri Sep 23,2033 18:34 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|-------|--------------|----------|-------------|-----------|
| Wed Mar 30,2033 17:57 | 17:57 | 0.0195% | -0.08 | -01° 59' 33" | 17:48 | 0.0213% | 00:00 |
| Thu Mar 31,2033 17:58 | 17:58 | 1.2861% | 0.92 | 11° 42' 39" | 18:57 | 1.4021% | 00:59 |
| Fri Apr 01,2033 18:59 | 18:59 | 5.4515% | 1.96 | 25° 08' 24" | 21:05 | 5.9397% | 02:06 |

| | Sunset: | Visibility: | Age: | Elevation: | Moonset: | Visibility: | Viewable: |
|-----------------------|---------|-------------|------|--------------|----------|-------------|-----------|
| Fri Sep 23,2033 18:34 | 18:34 | 0.0126% | 0.08 | -01° 19' 33" | 18:28 | 0.0121% | 00:00 |
| Sat Sep 24,2033 18:33 | 18:33 | 1.0379% | 1.08 | 05° 38' 31" | 19:01 | 1.0755% | 00:28 |
| Sun Sep 25,2033 18:32 | 18:32 | 3.8197% | 2.08 | 12° 27' 16" | 19:35 | 3.9802% | 01:03 |

| | | | |
|------------------|---------------------|----------------------|-------------------|
| Abyb 1 | Thu, Mar 31 | Thu, Mar 31 | Wed, Mar 30 |
| Ethanim 1 | Fri, Sep 23 | Sun, Sep 25 | Fri, Sep 23 |
| Miqra'ey | Astronomical | Observational | Hebcal.com |
| Pecach | Wed, Apr 13 | Wed, Apr 13 | |
| Matsah | Thu, Apr 14 | Thu, Apr 14 | Wed, Apr 13 |
| Bikuwrym | Fri, Apr 15 | Fri, Apr 15 | |
| Shabuwa' | Fri, Jun 03 | Fri, Jun 03 | Thu, Jun 02 |
| Taruw'ah | Fri, Sep 23 | Sun, Sep 25 | Fri, Sep 23 |
| Kippurym | Sun, Oct 02 | Tue, Oct 04 | Sun, Oct 02 |
| Sukah | Fri, Oct 07 | Sun, Oct 09 | Fri, Oct 07 |

