

Yada Yahweh
Book II: Called-Out Assemblies
...Understanding the Basics

Chapter 11

Miqra'ey
Called-Out Assemblies

Yahweh'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 paradise. The *Miqra'ey* work as a cohesive whole, serving as God's seven-step plan to gather us into His home.

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, Yahweh 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. Yahweh'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 in paradise, 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. Our mortal souls are cleansed of sin on Passover, freeing us from its consequence—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 gracious gift to us, whereby the purified and ransomed 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 Yahweh’s Set-Apart Spirit, 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*, Yahweh’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 summons, 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 reborn into Yahweh’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 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 Yahweh’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 camp out with God. It depicts eternal life with our Heavenly Father in Heaven.

Consistent with Yahweh’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 Yahweh, on planet Earth restored to resemble the Garden of Eden.

So by way of review, the first three *Miqra’ey/Called-Out Assemblies*, *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 Yahweh’s provision—His gift of salvation. 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, Yahshua’s Passover sacrifice, His Unleavened Bread separation, and His FirstFruits resurrection.

The first three *Miqra’ey* were fulfilled, played out in human history, by the Messiyah Yahushua. 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 Yahshua rose as a celebration of FirstFruits on *Abyb* 16th, 4000. It was April 3rd, 33 CE.

Seven times seven days after His *Bikuwrym* resurrection, 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 *ekklesia*/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, Yahweh 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 Yahuwdym will be harvested by Yahshua (known to the Christians who will miss it as the “Rapture”), the day Yahshua 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 Yahweh will camp out with humankind for one thousand years.

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

Passover / <i>Pesach</i>	<i>Abyb</i> - First Month	14 (Starts at 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>	Seven sevens (49 days) from FirstFruits ("the day after Unleavened Bread")	
Trumpets / <i>Taruw’ah</i>	<i>Tishri</i> - Seventh Month	1

Reconciliations / Kippurym	<i>Tishri</i> - Seventh Month	10
Tabernacles / Sukah	<i>Tishri</i> - Seventh Month	15

Before we apply Yahweh'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 Akiva's feigned Messianic uprising in 133 CE, effectively destroying native crops such as the barley Yahweh 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 *hodesh*/new or 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 the case the sky was not clear.

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** (*hodesh*); **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** (*hag*).”** And 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 *hodesh*/new moon, the verse cannot be used in support of the traditional observational method. Moreover, in First Samuel 20:5, David tells Jonathan: **“Behold (*hinneh* — pay attention), tomorrow (*mahar* — the next day) is a new moon and month (*hodesh*)”**

celebration (*hag*)...”, meaning that the new 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 Assemblies. 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 grow—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 Scripture. And since the Torah, Prophets, and Psalms give us 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 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 reenact 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 Yahweh's Scriptural directions, we can say with great confidence that the Jewish religious sites are wrong many times between now and when Yahweh returns.

We have elected to present the date each *Miqra'* commences, as opposed to posting when they end. 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'ey* are 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, Yahshua 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 Yahshua's *Matsah* sacrifice began at sundown on the cusp of the *Miqra'*. His fulfillment of *Bikuryim* likewise, occurred long before the sun rose on the sixteenth day. In similar fashion, Scripture indicates that Yahweh's return will occur at sunset on *Yowm Kippurym*, which means at the initiation of the Assembly, not at its mid point 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 be right. But since so many people have come to realize that Yahweh's *Miqra'ey*/Called-Out Assemblies as they are described in the Torah form the basis of Renewed Covenant's *Ekklesia*/Called-Out Assembly, presenting God's narrow and unpopular path to salvation, we are compelled to provide our Heavenly Father's children with our best estimates of when we have been summoned 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 estimates with which they coincide.

Times:

All times are presented in military format (0:00 - 23:59). Italics indicate 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). 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:

Time when the center of the sun is level (0 degrees) with an unobstructed horizon.

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

Moonset:

Time when the center of the moon is level (0 degrees) with an unobstructed 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, and take into consideration visibility, elevation, and viewable time. When these values make dating the first sighting uncertain, they will be marked in **purple**. And of course, weather and atmospheric conditions will make many of these observation estimates errant due to under- or overestimating the effects they 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 them 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 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. Their goal is to establish dates for the current Spring or Fall *Miqra'ey*, but they do forecast anticipated dates for the upcoming year.

0030		
Astronomical New Moons:	Wed, Mar 22 22:29	Sat, Sep 16 07:56
Sunsets on New Moon Day:	Wed, Mar 22 17:51	Sat, Sep 16 17:47

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Wed, Mar 22	17:51	0.1978%	-0.2	-04° 06' 35"	17:38	0.2016%	-00:13
Thu, Mar 23	17:51	0.7155%	0.8	07° 00' 22"	18:32	0.7571%	00:41
Fri, Mar 24	17:52	3.0395%	1.8	17° 50' 19"	19:26	3.2512%	01:34

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Sat, Sep 16	17:47	0.3591%	0.4	05° 22' 44"	18:18	0.3828%	00:31
Sun, Sep 17	17:46	2.8160%	1.4	12° 14' 55"	18:50	2.9893%	01:04
Mon, Sep 18	17:44	7.9614%	2.4	18° 44' 03"	19:23	8.4081%	01:39

Abyb 1	Thu, Mar 23	Fri, Mar 24	Mon, Mar 20		
Ethanim 1	Sat, Sep 16	Sun, Sep 17	Wed, Sep 13		
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org	Karaite-Korner.org
Pecach	Wed, Apr 05	Thu, Apr 06	Sun, Apr 02		
Matsah	Thu, Apr 06	Fri, Apr 07	Mon, Apr 03		
Bikuwrym	Fri, Apr 07	Sat, Apr 08	Tue, Apr 04		
Shabuwa'	Fri, May 26	Sat, May 27	Tue, May 23		
Taruw'ah	Sat, Sep 16	Sun, Sep 17	Wed, Sep 13		
Kippurym	Mon, Sep 25	Tue, Sep 26	Fri, Sep 22		
Sukah	Sat, Sep 30	Sun, Oct 01	Wed, Sep 27		

0033		
Astronomical New Moons:	Thu, Mar 19 15:20	Sat, Sep 12 14:24
Sunsets on New Moon Day:	Thu, Mar 19 17:49	Sat, Sep 12 17:52

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Thu, Mar 19	17:49	0.0163%	0.1	00° 01' 11"	17:58	0.0181%	00:09
Fri, Mar 20	17:50	1.7838%	1.1	13° 58' 10"	19:08	1.9619%	01:18
Sat, Mar 21	17:50	6.3096%	2.1	27° 51' 19"	20:17	6.9087%	02:27

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Sat, Sep 12	17:52	0.0194%	0.1	00° 09' 11"	17:57	0.0202%	00:05
Sun, Sep 13	17:51	1.1453%	1.1	05° 19' 16"	18:20	1.1862%	00:29
Mon, Sep 14	17:49	4.0254%	2.1	10° 30' 29"	18:44	4.1694%	00:55

Abyb 1	Thu, Mar 19	Fri, Mar 20	Wed, Mar 18		
Ethanim 1	Sat, Sep 12	Sun, Sep 13	Fri, Sep 11		
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org	Karaite-Korner.org
Pecach	Wed, Apr 01	Thu, Apr 02	Tue, Mar 31		
Matsah	Thu, Apr 02	Fri, Apr 03	Wed, Apr 01		
Bikuwrym	Fri, Apr 03	Sat, Apr 04	Thu, Apr 02		
Shabuwa'	Fri, May 22	Sat, May 23	Thu, May 21		
Taruw'ah	Sat, Sep 12	Sun, Sep 13	Fri, Sep 11		
Kippurym	Mon, Sep 21	Tue, Sep 22	Sun, Sep 20		
Sukah	Sat, Sep 26	Sun, Sep 27	Fri, Sep 25		

2004		
Daylight Savings:	Wed Apr 07, 2004 01:00	Wed Sep 22, 2004 01:00
Astronomical New Moons:	Sun Mar 21, 2004 00:42	Tue Sep 14, 2004 17:30
Sunsets on New Moon Day:	Sun Mar 21, 2004 17:51	Tue Sep 14, 2004 18:46

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Sun Mar 21, 2004	17:51	0.6096%	0.7	06° 59' 55"	18:26	0.6465%	00:35
Mon Mar 22, 2004	17:52	3.1124%	1.7	18° 39' 05"	19:24	3.3378%	01:32

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Tue Sep 14, 2004	18:46	0.0868%	0.1	01° 59' 58"	18:56	0.0874%	00:10
Wed Sep 15, 2004	18:45	1.2996%	1.1	08° 04' 45"	19:25	1.3663%	00:40
Thu Sep 16, 2004	18:43	4.8231%	2.1	14° 06' 57"	19:54	5.0564%	01:11

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	Wed, Sep 15 19:05
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org	Karaite-Korner.org
Pecach	Sat, Apr 03	Sun, Apr 04	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	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		
Daylight Savings:	Fri Apr 01, 2005 01:00	Sun Oct 09, 2005 01:00
Astronomical New Moons:	Thu Mar 10, 2005 11:11	<i>Mon Oct 03, 2005 13:28</i>
Sunsets on New Moon Day:	Thu Mar 10, 2005 17:44	<i>Mon Oct 03, 2005 18:22</i>

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Thu Mar 10, 2005	17:44	0.1514%	0.3	02° 01' 16"	17:55	0.1569%	00:11
Fri Mar 11, 2005	17:44	2.1788%	1.3	15° 25' 31"	19:01	2.3586%	01:17
Sat Mar 12, 2005	17:45	6.6175%	2.3	28° 17' 31"	20:05	7.1612%	02:20

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Mon Oct 03, 2005</i>	<i>18:22</i>	<i>0.0413%</i>	<i>0.2</i>	<i>00° 13' 11"</i>	<i>18:24</i>	<i>0.0419%</i>	<i>00:02</i>
<i>Tue Oct 04, 2005</i>	<i>18:20</i>	<i>1.4748%</i>	<i>1.2</i>	<i>06° 00' 37"</i>	<i>18:51</i>	<i>1.5285%</i>	<i>00:31</i>
<i>Wed Oct 05, 2005</i>	<i>18:19</i>	<i>4.9831%</i>	<i>2.2</i>	<i>11° 29' 25"</i>	<i>19:21</i>	<i>5.1805%</i>	<i>01:02</i>

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	Fri, Apr 22	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	Sun, Apr 24	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		
Daylight Savings:	Fri Mar 31, 2006 02:00	Sun Oct 01, 2006 02:00
Astronomical New Moons:	Wed Mar 29, 2006 12:16	<i>Fri Sep 22, 2006 14:46</i>
Sunsets on New Moon Day:	Wed Mar 29, 2006 17:56	<i>Fri Sep 22, 2006 18:36</i>

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Wed Mar 29, 2006	17:56	0.0863%	0.2	02° 20' 07"	18:08	0.0924%	00:12
Thu Mar 30, 2006	17:57	2.2496%	1.2	16° 09' 11"	19:18	2.4538%	01:21
<i>Fri Mar 31, 2006</i>	<i>18:58</i>	<i>7.6961%</i>	<i>2.3</i>	<i>29° 39' 10"</i>	<i>21:29</i>	<i>7.6961%</i>	<i>02:31</i>

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Fri Sep 22, 2006</i>	<i>18:36</i>	<i>0.0249%</i>	<i>0.2</i>	<i>-00° 30' 07"</i>	<i>18:34</i>	<i>0.0245%</i>	<i>-00:02</i>
<i>Sat Sep 23, 2006</i>	<i>18:35</i>	<i>1.2173%</i>	<i>1.2</i>	<i>04° 40' 33"</i>	<i>18:59</i>	<i>1.2524%</i>	<i>00:24</i>
<i>Sun Sep 24, 2006</i>	<i>18:34</i>	<i>4.1827%</i>	<i>2.2</i>	<i>09° 43' 45"</i>	<i>19:24</i>	<i>4.3195%</i>	<i>00:50</i>

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	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	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		
Daylight Savings:	Fri Mar 30, 2007 02:00	Sun Sep 16, 2007 02:00
Astronomical New Moons:	Mon Mar 19, 2007 04:43	<i>Tue Sep 11, 2007 15:45</i>
Sunsets on New Moon Day:	Mon Mar 19, 2007 17:50	<i>Tue Sep 11, 2007 18:51</i>

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Mon Mar 19, 2007	17:50	0.4816%	0.5	06° 41' 45"	18:24	0.5227%	00:34
Tue Mar 20, 2007	17:50	3.6896%	1.5	21° 04' 09"	19:35	4.0369%	01:45

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Tue Sep 11, 2007</i>	<i>18:51</i>	<i>0.0268%</i>	<i>0.1</i>	<i>-01° 13' 35"</i>	<i>18:46</i>	<i>0.0259%</i>	<i>-00:05</i>
<i>Wed Sep 12, 2007</i>	<i>18:50</i>	<i>1.2586%</i>	<i>1.1</i>	<i>04° 13' 07"</i>	<i>19:11</i>	<i>1.2905%</i>	<i>00:21</i>
<i>Thu Sep 13, 2007</i>	<i>18:48</i>	<i>4.3122%</i>	<i>2.1</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	Sun, Apr 01	Mon, Apr 02
Matsah	Mon, Apr 02	Tue, Apr 03	Mon, Apr 02	Mon, Apr 02	Tue, Apr 03
Bikuwrym	Tue, Apr 03	Wed, Apr 04	Tue, Apr 03	Tue, Apr 03	Wed, Apr 04
Shabuwa'	Tue, May 22	Wed, May 23	Tue, May 22	Tue, May 22	Wed, May 23
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 Moons:	Fri Mar 07, 2008 19:15	Sat Aug 30, 2008 22:59
Sunsets on New Moon Day:	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	-0.0277%	-0.1	-01° 45' 41"	17:34	-0.0285%	-00:08
Sat Mar 08, 2008	17:42	1.2185%	0.9	11° 34' 21"	18:40	1.3226%	00:58
Sun Mar 09, 2008	17:43	5.5322%	1.9	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	-0.0508%	-0.2	-03° 31' 06"	18:49	-0.0551%	-00:16
Sun Aug 31, 2008	19:04	0.8946%	0.8	02° 50' 22"	19:18	0.9144%	00:14
Mon Sep 01, 2008	19:03	4.0070%	1.8	08° 52' 46"	19:47	4.1347%	00:44

Abyb 1	Sat, Mar 08	Sat, Mar 08	<i>Uses next</i>	<i>Uses next</i>	<i>Uses next</i>
Ethanim 1	Sun, Aug 31	Mon, Sep 01	<i>New Moon</i>	<i>New Moon</i>	<i>New Moon</i>
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 Moons:	Sun Apr 06, 2008 06:56	Mon Sep 29, 2008 11:13
Sunsets on New Moon Day:	Sun Apr 06, 2008 19:02	Mon Sep 29, 2008 18:26

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Sun Apr 06, 2008</i>	19:02	0.5137%	0.5	06° 31' 31"	19:36	0.5505%	00:34
<i>Mon Apr 07, 2008</i>	19:03	3.4942%	1.5	20° 22' 46"	20:48	3.8227%	01:45

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Mon Sep 29, 2008</i>	18:26	0.2248%	0.3	-02° 18' 25"	18:16	0.2201%	-00:10
<i>Tue Sep 30, 2008</i>	18:25	1.9490%	1.3	03° 46' 46"	18:45	1.9871%	00:20
<i>Wed Oct 01, 2008</i>	18:24	5.5912%	2.3	09° 38' 24"	19:17	5.7587%	00:53

Abyb 1	Sun, Apr 06	Mon, Apr 07	Sat, Apr 05	Sun, Apr 06	<i>Mon, Apr 07 19:13</i>
Ethanim 1	Mon, Sep 29	Wed, Oct 01	Mon, Sep 29	Tue, Sep 30	<i>Wed, Oct 01 18:29</i>
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org	Karaite-Korner.org
Pecach	Sat, Apr 19	Sun, Apr 20	Fri, Apr 18	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	Sun, Apr 20	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 Moons:	Thu Mar 26, 2009 18:07	<i>Fri Sep 18, 2009 21:45</i>
Sunsets on New Moon Day:	Thu Mar 26, 2009 17:55	<i>Fri Sep 18, 2009 18:41</i>

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Thu Mar 26, 2009	17:55	0.1431%	0.0	-00° 38' 30"	17:53	0.1431%	-00:02
<i>Fri Mar 27, 2009</i>	<i>18:55</i>	<i>1.3516%</i>	<i>1.0</i>	<i>11° 58' 14"</i>	<i>19:56</i>	<i>1.4558%</i>	<i>01:01</i>
<i>Sat Mar 28, 2009</i>	<i>18:56</i>	<i>5.3915%</i>	<i>2.0</i>	<i>24° 37' 10"</i>	<i>21:01</i>	<i>5.3915%</i>	<i>02:05</i>

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Fri Sep 18, 2009</i>	<i>18:41</i>	<i>0.1572%</i>	<i>-0.1</i>	<i>-05° 30' 29"</i>	<i>18:15</i>	<i>0.1632%</i>	<i>-00:26</i>
<i>Sat Sep 19, 2009</i>	<i>18:40</i>	<i>1.1988%</i>	<i>0.9</i>	<i>01° 30' 07"</i>	<i>18:48</i>	<i>1.2119%</i>	<i>00:08</i>
<i>Sun Sep 20, 2009</i>	<i>18:38</i>	<i>4.7437%</i>	<i>1.9</i>	<i>08° 27' 42"</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	<i>Sun, Sep 20 ????</i>
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org	Karaite-Korner.org
Pecach	Thu, Apr 09	Thu, Apr 09	Tue, Apr 07	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	Thu, Apr 09	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 Moons:	Mon Mar 15, 2010 23:02	Wed Sep 08, 2010 13:30
Sunsets on New Moon Day:	Mon Mar 15, 2010 17:47	Wed Sep 08, 2010 18:55

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Mon Mar 15, 2010	17:47	-0.2018%	-0.2	-02° 50' 41"	17:34	-0.2053%	-00:13
Tue Mar 16, 2010	17:48	0.7690%	0.8	08° 12' 46"	18:29	0.8132%	00:41
Wed Mar 17, 2010	17:48	3.4965%	1.8	19° 38' 08"	19:26	3.4965%	01:38

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Wed Sep 08, 2010	18:55	0.2502%	0.2	-03° 13' 45"	18:40	0.2427%	-00:15
Thu Sep 09, 2010	18:53	2.4994%	1.2	04° 42' 22"	19:17	2.5618%	00:24
Fri Sep 10, 2010	18:52	7.5477%	2.2	12° 04' 03"	19:55	7.8253%	01:03

Abyb 1	Tue, Mar 16	Wed, Mar 17	Mon, Mar 15	Tue, Mar 16	Wed, Mar 17 17:52
Ethanim 1	Wed, Sep 08	Fri, Sep 10	Wed, Sep 08	Thu, Sep 09	Fri, Sep 10 18:52
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org	Karaite-Korner.org
Pecach	Mon, Mar 29	Tue, Mar 30	Sun, Mar 28	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	Tue, Mar 30	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	Fri, Sep 10	Wed, Sep 08	Thu, Sep 09	Fri, Sep 10
Kippurym	Fri, Sep 17	Sun, Sep 19	Fri, Sep 17	Sat, Sep 18	Sun, Sep 19
Sukah	Wed, Sep 22	Fri, Sep 24	Wed, Sep 22	Thu, Sep 23	Fri, Sep 24

2011		
Daylight Savings:	Fri Apr 01, 2011 02:00	Sun Oct 02, 2011 02:00
Astronomical New Moons:	<i>Sun Apr 03, 2011 17:33</i>	<i>Tue Sep 27, 2011 14:09</i>
Sunsets on New Moon Day:	<i>Sun Apr 03, 2011 19:00</i>	<i>Tue Sep 27, 2011 18:30</i>

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Sun Apr 03, 2011</i>	19:00	0.1772%	0.1	00° 14' 47"	19:02	0.1774%	00:02
<i>Mon Apr 04, 2011</i>	19:00	1.1656%	1.1	11° 07' 04"	19:57	1.2418%	00:57
<i>Tue Apr 05, 2011</i>	19:01	4.2403%	2.1	21° 51' 20"	20:52	4.2403%	01:51

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Tue Sep 27, 2011</i>	18:30	0.2225%	0.2	-03° 32' 38"	18:13	0.2165%	-00:17
<i>Wed Sep 28, 2011</i>	18:29	2.2825%	1.2	04° 54' 15"	18:55	2.3473%	00:26
<i>Thu Sep 29, 2011</i>	18:27	7.2337%	2.2	13° 16' 07"	19:40	7.5548%	01:13

Abyb 1	Sun, Apr 03	Mon, Apr 04	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	Karaite-Korner.org
Pecach	Sat, Apr 16	Sun, Apr 17	Sun, Apr 17	Sun, Apr 17	Sun, Apr 17
Matsah	Sun, Apr 17	Mon, Apr 18	Mon, Apr 18	Mon, Apr 18	Mon, Apr 18
Bikuwrym	Mon, Apr 18	Tue, Apr 19	Tue, Apr 19	Tue, Apr 19	Tue, Apr 19
Shabuwa'	Mon, Jun 06	Tue, Jun 07	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 Moons:	Thu Mar 22, 2012 16:38	<i>Sun Sep 16, 2012 05:11</i>
Sunsets on New Moon Day:	Thu Mar 22, 2012 17:52	<i>Sun Sep 16, 2012 18:43</i>

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Thu Mar 22, 2012	17:52	0.1606%	0.1	00° 09' 36"	17:54	0.1607%	00:02
Fri Mar 23, 2012	17:53	1.1639%	1.1	11° 01' 37"	18:48	1.2386%	00:55
Sat Mar 24, 2012	17:53	4.2436%	2.1	21° 57' 50"	19:42	4.2436%	01:49

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Sun Sep 16, 2012</i>	<i>18:43</i>	<i>0.5633%</i>	<i>0.6</i>	<i>-00° 13' 59"</i>	<i>18:43</i>	<i>0.2165%</i>	<i>00:00</i>
<i>Mon Sep 17, 2012</i>	<i>18:42</i>	<i>3.3893%</i>	<i>1.6</i>	<i>07° 48' 49"</i>	<i>19:22</i>	<i>3.5061%</i>	<i>00:40</i>
<i>Tue Sep 18, 2012</i>	<i>18:41</i>	<i>8.8282%</i>	<i>2.6</i>	<i>15° 37' 48"</i>	<i>20:04</i>	<i>9.2162%</i>	<i>01:23</i>

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 Karaite-Korner.org
Pecach	Wed, Apr 04	Thu, Apr 05	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	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 Moons:	Mon Mar 11, 2013 21:52	Thu Sep 05, 2013 14:37
Sunsets on New Moon Day:	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	-0.1817%	-0.2	-02° 30' 25"	17:32	-0.1855%	-00:12
Tue Mar 12, 2013	17:45	0.8983%	0.8	09° 32' 58"	18:33	0.9612%	00:48
Wed Mar 13, 2013	17:46	4.0956%	1.8	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	0.1634%	0.2	-03° 12' 38"	18:43	0.1600%	-00:15
Fri Sep 06, 2013	18:57	1.5769%	1.2	04° 08' 47"	19:18	1.6135%	00:21
Sat Sep 07, 2013	18:55	5.1537%	2.2	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 Karaite-Korner.org
Pecach	Mon, Mar 25	Tue, Mar 26	Sun, Mar 24	Mon, Mar 25
Matsah	Tue, Mar 26	Wed, Mar 27	Mon, Mar 25	Tue, Mar 26
Bikuwrym	Wed, Mar 27	Thu, Mar 28	Tue, Mar 26	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 Moons:	Sat Mar 01, 2014 10:00	Mon Aug 25, 2014 17:13
Sunsets on New Moon Day:	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	0.2431%	0.3	03° 44' 10"	17:56	0.2548%	00:19
Sun Mar 02, 2014	17:38	2.5034%	1.3	16° 56' 40"	19:02	2.7173%	01:24

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Mon Aug 25, 2014	19:12	0.1132%	0.1	-03° 36' 22"	18:55	0.1121%	-00:17
Tue Aug 26, 2014	19:11	1.1293%	1.1	03° 25' 55"	19:28	1.1522%	00:17
Wed Aug 27, 2014	19:09	3.9522%	2.1	10° 36' 35"	20:01	4.0876%	00:52

Abyb 1	Sat, Mar 01	Sun, Mar 02	<i>Uses next</i>	Sun, Mar 02
Ethanim 1	Mon, Aug 25	Wed, Aug 27	<i>New Moon</i>	Tue, Aug 26
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org Karaite-Korner.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 Moons:	Sun Mar 30, 2014 21:45	Wed Sep 24, 2014 09:14
Sunsets on New Moon Day:	Sun Mar 30, 2014 18:57	Wed Sep 24, 2014 18:34

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Sun Mar 30, 2014	18:57	0.0433%	-0.1	-02° 19' 54"	18:46	0.0460%	-00:11
Mon Mar 31, 2014	18:58	1.0069%	0.9	10° 17' 51"	19:50	1.0890%	00:52
Tue Apr 01, 2014	18:59	4.7588%	1.9	22° 33' 52"	20:51	4.7588%	01:52

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Wed Sep 24, 2014	18:34	0.1553%	0.4	00° 16' 40"	18:36	0.1563%	00:02
Thu Sep 25, 2014	18:32	1.8528%	1.4	07° 41' 45"	19:11	1.9261%	00:39
Fri Sep 26, 2014	18:31	5.5052%	2.4	14° 48' 45"	19:47	5.7517%	01:16

Abyb 1	Mon, Mar 31	Mon, Mar 31	Mon, Mar 31	<i>Uses previous</i>
Ethanim 1	Wed, Sep 24	Thu, Sep 25	Wed, Sep 24	<i>New Moon</i>
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org Karaite-Korner.org
Pecach	Sun, Apr 13	Sun, Apr 13	Sun, Apr 13	
Matsah	Mon, Apr 14	Mon, Apr 14	Mon, Apr 14	
Bikuwrym	Tue, Apr 15	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 Moons:	Fri Mar 20, 2015 11:37	<i>Sun Sep 13, 2015 09:42</i>
Sunsets on New Moon Day:	Fri Mar 20, 2015 17:50	<i>Sun Sep 13, 2015 18:48</i>

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Fri Mar 20, 2015	17:50	0.1050%	0.3	02° 38' 16"	18:04	0.1127%	00:14
Sat Mar 21, 2015	17:51	2.3804%	1.3	16° 15' 51"	19:12	2.5940%	01:21
Sun Mar 22, 2015	17:52	8.0517%	2.3	29° 33' 11"	20:19	8.0517%	02:27

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Sun Sep 13, 2015</i>	<i>18:48</i>	<i>0.1312%</i>	<i>0.4</i>	<i>00° 50' 41"</i>	<i>18:53</i>	<i>0.1335%</i>	<i>00:05</i>
<i>Mon Sep 14, 2015</i>	<i>18:47</i>	<i>1.6919%</i>	<i>1.4</i>	<i>07° 47' 50"</i>	<i>19:26</i>	<i>1.7588%</i>	<i>00:39</i>
<i>Tue Sep 15, 2015</i>	<i>18:46</i>	<i>4.9883%</i>	<i>2.4</i>	<i>14° 32' 41"</i>	<i>19:59</i>	<i>5.2000%</i>	<i>01:13</i>

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 Karaite-Korner.org
Pecach	Thu, Apr 02	Fri, Apr 03	Thu, Apr 02	Fri, Apr 03
Matsah	Fri, Apr 03	Sat, Apr 04	Fri, Apr 03	Sat, Apr 04
Bikuwrym	Sat, Apr 04	Sun, Apr 05	Sat, Apr 04	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 Moons:	Wed Mar 09, 2016 01:55	Thu Sep 01, 2016 12:04
Sunsets on New Moon Day:	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	0.4924%	0.7	06° 43' 52"	18:17	0.5339%	00:34
Thu Mar 10, 2016	17:44	3.6948%	1.7	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	0.0869%	0.3	00° 49' 46"	19:08	0.0889%	00:05
Fri Sep 02, 2016	19:01	1.6818%	1.3	08° 32' 06"	19:43	1.7575%	00:42
Sat Sep 03, 2016	19:00	5.1495%	2.3	15° 38' 25"	20:17	5.3836%	01:17

Abyb 1	Wed, Mar 09	Wed, Mar 09	<i>Uses next</i>		
Ethanim 1	Thu, Sep 01	Fri, Sep 02	<i>New Moon</i>		
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org	Karaite-Korner.org
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 Moons:	Thu Apr 07, 2016 14:24	Sat Oct 01, 2016 03:12
Sunsets on New Moon Day:	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	0.1083%	0.2	01° 07' 12"	19:09	0.1110%	00:06
Fri Apr 08, 2016	19:04	2.2954%	1.2	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	0.4371%	0.6	05° 12' 58"	18:50	0.4594%	00:26
Sun Oct 02, 2016	18:22	2.5517%	1.6	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	Paleotimes.org	Karaite-Korner.org
Pecach	Wed, Apr 20	Thu, Apr 21	Thu, Apr 21		
Matsah	Thu, Apr 21	Fri, Apr 22	Fri, Apr 22		
Bikuwrym	Fri, Apr 22	Sat, Apr 23	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 Moons:	Tue Mar 28, 2017 04:58	Wed Sep 20, 2017 08:31
Sunsets on New Moon Day:	Tue Mar 28, 2017 17:56	Wed Sep 20, 2017 18:38

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Tue Mar 28, 2017	17:56	0.4972%	0.5	05° 32' 13"	18:24	0.5279%	00:28
Wed Mar 29, 2017	17:57	3.4493%	1.5	18° 45' 50"	19:30	3.7345%	01:33

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Wed Sep 20, 2017	18:38	0.2864%	0.4	04° 37' 48"	19:01	0.3028%	00:23
Thu Sep 21, 2017	18:37	2.3855%	1.4	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	Paleotimes.org	Karaite-Korner.org
Pecach	Mon, Apr 10	Tue, Apr 11	Sun, Apr 09		
Matsah	Tue, Apr 11	Wed, Apr 12	Mon, Apr 10		
Bikuwrym	Wed, Apr 12	Thu, Apr 13	Tue, Apr 11		
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 Moons:	Sat Mar 17, 2018 15:12	<i>Sun Sep 09, 2018 21:02</i>
Sunsets on New Moon Day:	Sat Mar 17, 2018 17:48	<i>Sun Sep 09, 2018 18:53</i>

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Sat Mar 17, 2018	17:48	0.1107%	0.1	-00° 16' 29"	17:47	0.1105%	-00:01
Sun Mar 18, 2018	17:49	1.5074%	1.1	11° 29' 10"	18:46	1.6090%	00:57
Mon Mar 19, 2018	17:50	5.5495%	2.1	23° 28' 08"	19:46	5.5495%	01:56

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Sun Sep 09, 2018</i>	<i>18:53</i>	<i>-0.0979%</i>	<i>-0.1</i>	<i>00° 56' 17"</i>	<i>18:58</i>	<i>-0.0972%</i>	<i>00:05</i>
<i>Mon Sep 10, 2018</i>	<i>18:52</i>	<i>1.3087%</i>	<i>0.9</i>	<i>09° 26' 46"</i>	<i>19:38</i>	<i>1.3929%</i>	<i>00:46</i>
<i>Tue Sep 11, 2018</i>	<i>18:51</i>	<i>5.1609%</i>	<i>1.9</i>	<i>17° 20' 00"</i>	<i>20:16</i>	<i>5.4624%</i>	<i>01:25</i>

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	Paleotimes.org	Karaite-Korner.org
Pecach	Fri, Mar 30	Sat, Mar 31	Thu, Mar 29		
Matsah	Sat, Mar 31	Sun, Apr 01	Fri, Mar 30		
Bikuwrym	Sun, Apr 01	Mon, Apr 02	Sat, Mar 31		
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 Moons:	Wed Mar 06, 2019 18:05	Fri Aug 30, 2019 13:38
Sunsets on New Moon Day:	Wed Mar 06, 2019 17:40	Fri Aug 30, 2019 19:06

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Wed Mar 06, 2019	17:40	0.1175%	0.0	-01° 49' 09"	17:32	0.1244%	-00:08
Thu Mar 07, 2019	17:41	1.0443%	1.0	08° 50' 59"	18:26	1.1030%	00:45
Fri Mar 08, 2019	17:42	4.0653%	2.0	19° 38' 21"	19:20	4.0653%	01:38

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Fri Aug 30, 2019</i>	<i>19:06</i>	<i>0.2107%</i>	<i>0.2</i>	<i>04° 09' 04"</i>	<i>19:27</i>	<i>0.2221%</i>	<i>00:21</i>
<i>Sat Aug 31, 2019</i>	<i>19:05</i>	<i>2.5024%</i>	<i>1.2</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	<i>Uses next</i>		
Ethanim 1	Fri, Aug 30	Sat, Aug 31	<i>New Moon</i>		
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org	Karaite-Korner.org
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 Moons:	<i>Fri Apr 05, 2019 11:51</i>	<i>Sat Sep 28, 2019 21:27</i>
Sunsets on New Moon Day:	<i>Fri Apr 05, 2019 19:01</i>	<i>Sat Sep 28, 2019 18:27</i>

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Fri Apr 05, 2019</i>	<i>19:01</i>	<i>0.2785%</i>	<i>0.3</i>	<i>01° 27' 00"</i>	<i>19:09</i>	<i>0.2819%</i>	<i>00:08</i>
<i>Sat Apr 06, 2019</i>	<i>19:02</i>	<i>1.8826%</i>	<i>1.3</i>	<i>12° 42' 54"</i>	<i>20:05</i>	<i>1.9989%</i>	<i>01:03</i>
<i>Sun Apr 07, 2019</i>	<i>19:02</i>	<i>5.8966%</i>	<i>2.3</i>	<i>24° 22' 08"</i>	<i>21:03</i>	<i>5.8966%</i>	<i>02:01</i>

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Sat Sep 28, 2019</i>	<i>18:27</i>	<i>-0.2102%</i>	<i>-0.1</i>	<i>02° 13' 30"</i>	<i>18:38</i>	<i>-0.2074%</i>	<i>00:11</i>
<i>Sun Sep 29, 2019</i>	<i>18:27</i>	<i>1.3581%</i>	<i>0.9</i>	<i>10° 06' 00"</i>	<i>19:17</i>	<i>1.4514%</i>	<i>00:50</i>
<i>Mon Sep 30, 2019</i>	<i>18:26</i>	<i>5.3668%</i>	<i>1.9</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	Paleotimes.org	Karaite-Korner.org
Pecach	Thu, Apr 18	Fri, Apr 19	Thu, Apr 18		
Matsah	Fri, Apr 19	Sat, Apr 20	Fri, Apr 19		
Bikuwrym	Sat, Apr 20	Sun, Apr 21	Sat, Apr 20		
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 Moons:	Tue Mar 24, 2020 11:29	Thu Sep 17, 2020 14:01
Sunsets on New Moon Day:	Tue Mar 24, 2020 17:54	Thu Sep 17, 2020 18:42

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Tue Mar 24, 2020	17:54	0.2532%	0.3	00° 56' 16"	17:59	0.2549%	00:05
Wed Mar 25, 2020	17:54	1.6159%	1.3	11° 48' 21"	18:53	1.7093%	00:59
Thu Mar 26, 2020	17:55	5.0335%	2.3	22° 30' 21"	19:46	5.0335%	01:51

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Thu Sep 17, 2020	18:42	0.2479%	0.2	04° 32' 54"	19:05	0.2576%	00:23
Fri Sep 18, 2020	18:41	2.3341%	1.2	12° 18' 13"	19:41	2.4854%	01:00
Sat Sep 19, 2020	18:39	7.2915%	2.2	19° 36' 10"	20:18	7.7296%	01:39

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	Paleotimes.org	Karaite-Korner.org
Pecach	Mon, Apr 06	Tue, Apr 07	Tue, Apr 07		
Matsah	Tue, Apr 07	Wed, Apr 08	Wed, Apr 08		
Bikuwrym	Wed, Apr 08	Thu, Apr 09	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 Moons:	Sat Mar 13, 2021 12:22	Tue Sep 07, 2021 13:52
Sunsets on New Moon Day:	Sat Mar 13, 2021 17:46	Tue Sep 07, 2021 18:55

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Sat Mar 13, 2021	17:46	0.2343%	0.2	00° 40' 26"	17:50	0.2355%	00:04
Sun Mar 14, 2021	17:46	1.6347%	1.2	12° 03' 17"	18:46	1.7339%	01:00
Mon Mar 15, 2021	17:47	5.1921%	2.2	23° 04' 30"	19:41	5.1921%	01:54

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Tue Sep 07, 2021	18:55	0.6699%	0.2	07° 31' 48"	19:32	0.7109%	00:37
Wed Sep 08, 2021	18:54	3.5099%	1.2	14° 27' 05"	20:05	3.7156%	01:11

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	Paleotimes.org	Karaite-Korner.org
Pecach	Fri, Mar 26	Sat, Mar 27	Fri, Mar 26		
Matsah	Sat, Mar 27	Sun, Mar 28	Sat, Mar 27		
Bikuwrym	Sun, Mar 28	Mon, Mar 29	Sun, Mar 28		
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 Moons:	<i>Fri Apr 01, 2022 09:25</i>	<i>Mon Sep 26, 2022 00:55</i>
Sunsets on New Moon Day:	<i>Fri Apr 01, 2022 18:59</i>	<i>Mon Sep 26, 2022 18:31</i>

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Fri Apr 01, 2022</i>	<i>18:59</i>	<i>0.2471%</i>	<i>0.4</i>	<i>03° 03' 24"</i>	<i>19:15</i>	<i>0.2565%</i>	<i>00:16</i>
<i>Sat Apr 02, 2022</i>	<i>18:59</i>	<i>2.1360%</i>	<i>1.4</i>	<i>15° 03' 23"</i>	<i>20:14</i>	<i>2.2901%</i>	<i>01:15</i>
<i>Sun Apr 03, 2022</i>	<i>19:00</i>	<i>6.4211%</i>	<i>2.4</i>	<i>26° 35' 43"</i>	<i>21:13</i>	<i>6.4211%</i>	<i>02:13</i>

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Mon Sep 26, 2022</i>	<i>18:31</i>	<i>0.6550%</i>	<i>0.7</i>	<i>06° 07' 45"</i>	<i>19:01</i>	<i>0.6889%</i>	<i>00:30</i>
<i>Tue Sep 27, 2022</i>	<i>18:30</i>	<i>3.4020%</i>	<i>1.7</i>	<i>12° 02' 23"</i>	<i>19:31</i>	<i>3.5689%</i>	<i>01:01</i>

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	Paleotimes.org	Karaite-Korner.org
Pecach	Thu, Apr 14	Fri, Apr 15	Thu, Apr 14		
Matsah	Fri, Apr 15	Sat, Apr 16	Fri, Apr 15		
Bikuwrym	Sat, Apr 16	Sun, Apr 17	Sat, Apr 16		
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 Moons:	Tue Mar 21, 2023 19:24	<i>Fri Sep 15, 2023 04:40</i>
Sunsets on New Moon Day:	Tue Mar 21, 2023 17:51	<i>Fri Sep 15, 2023 18:46</i>

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Tue Mar 21, 2023	17:51	-0.0721%	-0.1	-02° 25' 25"	17:40	-0.0740%	-00:11
Wed Mar 22, 2023	17:52	1.2219%	0.9	10° 57' 10"	18:47	1.3189%	00:55
Thu Mar 23, 2023	17:52	5.3455%	1.9	24° 13' 19"	19:52	5.3455%	02:00

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Fri Sep 15, 2023</i>	<i>18:46</i>	<i>0.3577%</i>	<i>0.6</i>	<i>04° 23' 31"</i>	<i>19:08</i>	<i>0.3740%</i>	<i>00:22</i>
<i>Sat Sep 16, 2023</i>	<i>18:44</i>	<i>2.3388%</i>	<i>1.6</i>	<i>09° 55' 26"</i>	<i>19:33</i>	<i>2.4391%</i>	<i>00:49</i>
<i>Sun Sep 17, 2023</i>	<i>18:43</i>	<i>6.1710%</i>	<i>2.6</i>	<i>14° 58' 02"</i>	<i>19:59</i>	<i>6.4238%</i>	<i>01:16</i>

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	Paleotimes.org	Karaite-Korner.org
Pecach	Tue, Apr 04	Tue, Apr 04	Tue, Apr 04		
Matsah	Wed, Apr 05	Wed, Apr 05	Wed, Apr 05		
Bikuwrym	Thu, Apr 06	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 Moons:	Sun Mar 10, 2024 11:01	Wed Oct 02, 2024 21:50
Sunsets on New Moon Day:	Sun Mar 10, 2024 17:44	Wed Oct 02, 2024 18:22

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Sun Mar 10, 2024	17:44	0.1484%	0.3	02° 28' 54"	17:57	0.1560%	00:13
Mon Mar 11, 2024	17:45	2.5032%	1.3	16° 38' 52"	19:08	2.7288%	01:23

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Wed Oct 02, 2024	18:22	-0.0190%	-0.1	-02° 01' 55"	18:13	-0.0207%	-00:09
Thu Oct 03, 2024	18:21	0.6616%	0.9	03° 12' 29"	18:38	0.6799%	00:17
Fri Oct 04, 2024	18:20	3.0828%	1.9	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	Paleotimes.org	Karaite-Korner.org
Pecach	Sat, Mar 23	Sun, Mar 24	Sun, Apr 21		
Matsah	Sun, Mar 24	Mon, Mar 25	Mon, Apr 22		
Bikuwrym	Mon, Mar 25	Tue, Mar 26	Tue, Apr 23		
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 Moons:	Sat Mar 29, 2025 13:58	Sun Sep 21, 2025 22:55
Sunsets on New Moon Day:	Sat Mar 29, 2025 18:57	Sun Sep 21, 2025 18:37

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Sat Mar 29, 2025	18:57	0.0788%	0.2	01° 54' 08"	19:07	0.0834%	00:10
Sun Mar 30, 2025	18:57	2.2629%	1.2	16° 15' 49"	20:19	2.4774%	01:22
Mon Mar 31, 2025	18:58	8.0473%	2.2	30° 21' 37"	21:33	8.0473%	02:35

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Sun Sep 21, 2025	18:37	-0.0367%	-0.2	-02° 53' 44"	18:24	-0.0399%	-00:13
Mon Sep 22, 2025	18:36	0.6813%	0.8	02° 34' 12"	18:49	0.6960%	00:13
Tue Sep 23, 2025	18:34	3.2087%	1.8	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	Paleotimes.org	Karaite-Korner.org
Pecach	Fri, Apr 11	Sat, Apr 12	Fri, Apr 11		
Matsah	Sat, Apr 12	Sun, Apr 13	Sat, Apr 12		
Bikuwrym	Sun, Apr 13	Mon, Apr 14	Sun, Apr 13		
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 Moons:	Thu Mar 19, 2026 03:24	Fri Sep 11, 2026 06:28
Sunsets on New Moon Day:	Thu Mar 19, 2026 17:50	Fri Sep 11, 2026 18:50

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Thu Mar 19, 2026	17:50	0.5157%	0.6	06° 57' 29"	18:25	0.5557%	00:35
Fri Mar 20, 2026	17:50	3.4549%	1.6	20° 23' 40"	19:32	3.7627%	01:42

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Fri Sep 11, 2026</i>	<i>18:50</i>	<i>0.3653%</i>	<i>0.5</i>	<i>00° 52' 21"</i>	<i>18:55</i>	<i>0.3698%</i>	<i>00:05</i>
<i>Sat Sep 12, 2026</i>	<i>18:49</i>	<i>2.8097%</i>	<i>1.5</i>	<i>06° 55' 14"</i>	<i>19:24</i>	<i>2.8965%</i>	<i>00:35</i>

Abyb 1	Thu, Mar 19	Fri, Mar 20	Wed, Mar 18		
Ethanim 1	Fri, Sep 11	Sat, Sep 12	Fri, Sep 11		
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org	Karaite-Korner.org
Pecach	Wed, Apr 01	Thu, Apr 02	Tue, Mar 31		
Matsah	Thu, Apr 02	Fri, Apr 03	Wed, Apr 01		
Bikuwrym	Fri, Apr 03	Sat, Apr 04	Thu, Apr 02		
Shabuwa'	Fri, May 22	Sat, May 23	Thu, May 21		
Taruw'ah	Fri, Sep 11	Sat, Sep 12	Fri, Sep 11		
Kippurym	Sun, Sep 20	Mon, Sep 21	Sun, Sep 20		
Sukah	Fri, Sep 25	Sat, Sep 26	Fri, Sep 25		

2027		
Daylight Savings:	Fri Mar 26, 2027 02:00	Sun Oct 10, 2027 02:00
Astronomical New Moons:	Mon Mar 08, 2027 11:30	Tue Aug 31, 2027 20:42
Sunsets on New Moon Day:	Mon Mar 08, 2027 17:42	Tue Aug 31, 2027 19:05

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Mon Mar 08, 2027	17:42	0.1216%	0.3	02° 13' 41"	17:54	0.1265%	00:12
Tue Mar 09, 2027	17:43	1.7416%	1.3	13° 53' 38"	18:52	1.8722%	01:09
Wed Mar 10, 2027	17:43	5.9066%	2.3	25° 59' 36"	19:52	5.9066%	02:09

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Tue Aug 31, 2027	19:05	-0.0466%	-0.1	-03° 34' 17"	18:48	-0.0487%	-00:17
Wed Sep 01, 2027	19:04	1.3701%	0.9	03° 32' 16"	19:22	1.4050%	00:18
Thu Sep 02, 2027	19:02	5.4565%	1.9	10° 29' 01"	19:54	5.6507%	00:52

Abyb 1	Mon, Mar 08	Tue, Mar 09	<i>Uses next</i>		
Ethanim 1	Wed, Sep 01	Thu, Sep 02	<i>New Moon</i>		
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org	Karaite-Korner.org
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 Moons:	Wed Apr 07, 2027 02:52	Thu Sep 30, 2027 05:37
Sunsets on New Moon Day:	Wed Apr 07, 2027 19:02	Thu Sep 30, 2027 18:26

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Wed Apr 07, 2027	19:02	0.6988%	0.7	08° 00' 34"	19:43	0.7459%	00:41
Thu Apr 08, 2027	19:03	3.5137%	1.7	20° 29' 37"	20:49	3.8147%	01:46

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Thu Sep 30, 2027	18:26	0.5539%	0.5	-00° 48' 04"	18:23	0.5508%	-00:03
Fri Oct 01, 2027	18:25	3.3259%	1.5	06° 09' 09"	18:58	3.4179%	00:33
Sat Oct 02, 2027	18:23	8.3747%	2.5	12° 51' 55"	19:36	8.6835%	01:13

Abyb 1	Wed, Apr 07	Thu, Apr 08	Wed, Apr 07		
Ethanim 1	Thu, Sep 30	Fri, Oct 01	Fri, Oct 01		
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org	Karaite-Korner.org
Pecach	Tue, Apr 20	Wed, Apr 21	Tue, Apr 20		
Matsah	Wed, Apr 21	Thu, Apr 22	Wed, Apr 21		
Bikuwrym	Thu, Apr 22	Fri, Apr 23	Thu, Apr 22		
Shabuwa'	Thu, Jun 10	Fri, Jun 11	Thu, Jun 10		
Taruw'ah	Thu, Sep 30	Fri, Oct 01	Fri, Oct 01		
Kippurym	Sat, Oct 09	Sun, Oct 10	Sun, Oct 10		
Sukah	Thu, Oct 14	Fri, Oct 15	Fri, Oct 15		

2028		
Daylight Savings:	Fri Mar 31, 2028 02:00	Sun Sep 24, 2028 02:00
Astronomical New Moons:	Sun Mar 26, 2028 06:32	Mon Sep 18, 2028 21:24
Sunsets on New Moon Day:	Sun Mar 26, 2028 17:55	Mon Sep 18, 2028 18:41

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Sun Mar 26, 2028	17:55	0.3884%	0.5	04° 49' 11"	18:20	0.4048%	00:25
Mon Mar 27, 2028	17:56	2.2704%	1.5	15° 56' 59"	19:16	2.4309%	01:20

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Mon Sep 18, 2028	18:41	-0.1770%	-0.1	-05° 50' 54"	18:13	-0.1837%	-00:28
Tue Sep 19, 2028	18:39	1.4052%	0.9	02° 01' 39"	18:50	1.4263%	00:11
Wed Sep 20, 2028	18:38	5.5687%	1.9	09° 29' 48"	19:28	5.7614%	00:50

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	Paleotimes.org	Karaite-Korner.org
Pecach	Sat, Apr 08	Sun, Apr 09	Sun, Apr 09		
Matsah	Sun, Apr 09	Mon, Apr 10	Mon, Apr 10		
Bikuwrym	Mon, Apr 10	Tue, Apr 11	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 Moons:	Thu Mar 15, 2029 06:20	Sat Sep 08, 2029 13:45
Sunsets on New Moon Day:	Thu Mar 15, 2029 17:47	Sat Sep 08, 2029 18:54

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Thu Mar 15, 2029	17:47	0.3919%	0.5	04° 48' 50"	18:11	0.4068%	00:24
Fri Mar 16, 2029	17:48	2.1550%	1.5	15° 32' 14"	19:05	2.2982%	01:17
Sat Mar 17, 2029	17:49	6.0235%	2.5	26° 14' 13"	20:00	6.0235%	02:11

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Sat Sep 08, 2029	18:54	0.2507%	0.2	-03° 25' 05"	18:38	0.2437%	-00:16
Sun Sep 09, 2029	18:53	2.3517%	1.2	04° 17' 14"	19:15	2.4062%	00:22
Mon Sep 10, 2029	18:51	7.2645%	2.2	12° 00' 27"	19:53	7.5352%	01:02

Abyb 1	Thu, Mar 15	Fri, Mar 16	Fri, Mar 16		
Ethanim 1	Sat, Sep 08	Mon, Sep 10	Sun, Sep 09		
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org	Karaite-Korner.org
Pecach	Wed, Mar 28	Thu, Mar 29	Thu, Mar 29		
Matsah	Thu, Mar 29	Fri, Mar 30	Fri, Mar 30		
Bikuwrym	Fri, Mar 30	Sat, Mar 31	Sat, Mar 31		
Shabuwa'	Fri, May 18	Sat, May 19	Sat, May 19		
Taruw'ah	Sat, Sep 08	Mon, Sep 10	Sun, Sep 09		
Kippurym	Mon, Sep 17	Wed, Sep 19	Tue, Sep 18		
Sukah	Sat, Sep 22	Mon, Sep 24	Sun, Sep 23		

2030		
Daylight Savings:	Fri Mar 29, 2030 02:00	Sun Oct 06, 2030 02:00
Astronomical New Moons:	Wed Apr 03, 2030 01:03	Fri Sep 27, 2030 12:55
Sunsets on New Moon Day:	Tue Apr 02, 2030 18:59	Fri Sep 27, 2030 18:29

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Tue Apr 02, 2030	18:59	-0.2309%	-0.3	-03° 07' 02"	18:44	-0.2364%	-00:15
Wed Apr 03, 2030	19:00	0.6688%	0.7	07° 49' 56"	19:40	0.7079%	00:40
Thu Apr 04, 2030	19:01	3.1659%	1.7	18° 37' 26"	20:35	3.1659%	01:34

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Fri Sep 27, 2030	18:29	0.2229%	0.2	-02° 56' 15"	18:15	0.2175%	-00:14
Sat Sep 28, 2030	18:28	2.1290%	1.2	05° 03' 21"	18:54	2.1880%	00:26
Sun Sep 29, 2030	18:27	6.6722%	2.2	12° 58' 16"	19:37	6.9576%	01:10

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

2031		
Daylight Savings:	Fri Mar 28, 2031 02:00	Sun Sep 21, 2031 02:00
Astronomical New Moons:	Sun Mar 23, 2031 05:50	Tue Sep 16, 2031 21:48
Sunsets on New Moon Day:	Sun Mar 23, 2031 17:52	Tue Sep 16, 2031 18:44

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Sun Mar 23, 2031	17:52	0.4163%	0.5	05° 44' 03"	18:21	0.4397%	00:29
Mon Mar 24, 2031	17:53	2.6658%	1.5	17° 41' 29"	19:21	2.8721%	01:28

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Tue Sep 16, 2031	18:44	-0.1602%	-0.1	-05° 27' 15"	18:19	-0.1658%	-00:25
Wed Sep 17, 2031	18:43	0.9006%	0.9	01° 42' 44"	18:52	0.9119%	00:09
Thu Sep 18, 2031	18:42	3.7707%	1.9	08° 57' 06"	19:28	3.8977%	00:46

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	Paleotimes.org	Karaite-Korner.org
Pecach	Sat, Apr 05	Sun, Apr 06	Sun, Apr 06		
Matsah	Sun, Apr 06	Mon, Apr 07	Mon, Apr 07		
Bikuwrym	Mon, Apr 07	Tue, Apr 08	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		

2032		
Daylight Savings:	Fri Mar 26, 2032 02:00	Sun Sep 12, 2032 02:00
Astronomical New Moons:	Thu Mar 11, 2032 18:25	Sat Sep 04, 2032 23:57
Sunsets on New Moon Day:	Thu Mar 11, 2032 17:45	Sun Sep 05, 2032 18:58

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Thu Mar 11, 2032	17:45	-0.1169%	0.0	-01° 00' 36"	17:41	-0.1173%	-00:04
Fri Mar 12, 2032	17:45	1.4283%	1.0	12° 37' 34"	18:48	1.7952%	01:03
Sat Mar 13, 2032	17:46	5.9005%	2.0	25° 43' 32"	19:54	5.9005%	02:08

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Sun Sep 05, 2032	18:58	0.6478%	0.8	01° 08' 19"	19:04	0.6536%	00:06
Mon Sep 06, 2032	18:56	2.9360%	1.8	08° 09' 38"	19:37	3.0274%	00:41

Abyb 1	Fri, Mar 12	Fri, Mar 12	Fri, Mar 26		
Ethanim 1	Sun, Sep 05	Mon, Sep 06	Sun, Sep 05		
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org	Karaite-Korner.org
Pecach	Thu, Mar 25	Thu, Mar 25	Thu, Apr 08		
Matsah	Fri, Mar 26	Fri, Mar 26	Fri, Apr 09		
Bikuwrym	Sat, Mar 27	Sat, Mar 27	Sat, Apr 10		
Shabuwa'	Sat, May 15	Sat, May 15	Sat, May 29		
Taruw'ah	Sun, Sep 05	Mon, Sep 06	Sun, Sep 05		
Kippurym	Tue, Sep 14	Wed, Sep 15	Tue, Sep 14		
Sukah	Sun, Sep 19	Mon, Sep 20	Sun, Sep 19		

2033		
Daylight Savings:	Fri Apr 01, 2033 02:00	Wed Oct 12, 2033 02:00
Astronomical New Moons:	Tue Mar 01, 2033 10:24	Thu Aug 25, 2033 00:31
Sunsets on New Moon Day:	Tue Mar 01, 2033 17:37	Thu Aug 25, 2033 19:11

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Tue Mar 01, 2033	17:37	0.2110%	0.3	03° 36' 33"	17:55	0.2223%	00:18
Wed Mar 02, 2033	17:38	2.6205%	1.3	17° 23' 16"	19:05	2.8613%	01:27

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Thu Aug 25, 2033	19:11	0.6197%	0.8	01° 54' 31"	19:21	0.6296%	00:10
Fri Aug 26, 2033	19:10	2.9360%	1.8	09° 01' 15"	19:54	3.0345%	00:44

Abyb 1	Tue, Mar 01	Wed, Mar 02	<i>Uses next</i>		
Ethanim 1	Thu, Aug 25	Fri, Aug 26	<i>New Moon</i>		
Miqra'ey	Astronomical	Observational	Hebcal.com	Paleotimes.org	Karaite-Korner.org
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 Moons:	Wed Mar 30, 2033 19:52	<i>Fri Sep 23, 2033 16:41</i>
Sunsets on New Moon Day:	Wed Mar 30, 2033 17:57	<i>Fri Sep 23, 2033 18:34</i>

Abib/Aviv/Nisan 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
Wed Mar 30, 2033	17:57	0.0195%	-0.1	-01° 59' 33"	17:48	0.0213%	-00:09
Thu Mar 31, 2033	17:58	1.2861%	0.9	11° 42' 39"	18:57	1.4021%	00:59
<i>Fri Apr 01, 2033</i>	<i>18:59</i>	<i>5.9397%</i>	<i>2.0</i>	<i>25° 08' 24"</i>	<i>21:05</i>	<i>5.9397%</i>	<i>02:06</i>

Ethanim/Tishri 1	Sunset:	Visibility:	Age:	Elevation:	Moonset:	Visibility:	Viewable:
<i>Fri Sep 23, 2033</i>	<i>18:34</i>	<i>0.0126%</i>	<i>0.1</i>	<i>-01° 19' 33"</i>	<i>18:28</i>	<i>0.0121%</i>	<i>-00:06</i>
<i>Sat Sep 24, 2033</i>	<i>18:33</i>	<i>1.0379%</i>	<i>1.1</i>	<i>05° 38' 31"</i>	<i>19:01</i>	<i>1.0755%</i>	<i>00:28</i>
<i>Sun Sep 25, 2033</i>	<i>18:32</i>	<i>3.8197%</i>	<i>2.1</i>	<i>12° 27' 16"</i>	<i>19:35</i>	<i>3.9802%</i>	<i>01:03</i>

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	Paleotimes.org	Karaite-Korner.org
Pecach	Wed, Apr 13	Wed, Apr 13	Tue, Apr 12		
Matsah	Thu, Apr 14	Thu, Apr 14	Wed, Apr 13		
Bikuwrym	Fri, Apr 15	Fri, Apr 15	Thu, Apr 14		
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		