

Sacred Calendar 1998–2030¹

1998	<u>New Moons</u> : Jan 28; Feb 26; <u>Mar 28</u> ; Apr 26; May 26; June 24; July 23; Aug 22; Sept 21; Oct 20; Nov 19; Dec 18 (vernal equinox: Mar 20, 19.55; Rosh hashanah Mar 28).
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Passover: April 10	Pentecost: May 31	Atonement: Sept 30
U/bread: April 11-17	Trumpets: Sept 21	Tabernacles: Oct 05-11
		LGD: Oct 12

1999	<u>New Moons</u> : Jan 18; Feb 16; Mar 18; <u>Apr 16</u> ; May 15; June 14; July 13; Aug 11; Sept 10; Oct 09; Nov 08; Dec 08 (vernal equinox: Mar 21, 01:46; Rosh hashanah Apr 16).
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Passover: April 29	Pentecost: June 20	Atonement: Oct 18
U/bread: April 30-May 06	Trumpets: Oct 09	Tabernacles: Oct 23-29
		LGD: Oct 30

¹ Notes: Vernal equinox data are expressed in Jerusalem time (i.e., Universal Time, U.T., + 2 hours) without adjustment for daylight saving time (for which there is no need). From 2013, the state of Israel will use the European Union's adjustment date in late October to end their daylight saving time.

Rosh hashanah new moons also shown underlined. Passover is celebrated at dusk on the previous evening, when using the Julian / Gregorian calendar dates, q.v. inf.

Sunset, for the determination of the start of the weekly Sabbath, the new moon, or an annual holy day (with the exception of Passover observance) is the actual point of sunset, just as the sun finally sets. It is not sometime within Early Evening Civil Twilight (E.E.C.T.) leading to Civil Dusk with the centre of the sun 6° below the horizon, nor is it within early Evening Nautical Twilight (E.E.N.T.) leading to Nautical Dusk with the centre of the sun 12° below the horizon, and nor is it within Astronomical Twilight (A.T.) leading to Astronomical Dusk with the centre of the sun 18° below the horizon. Passover, at dusk, is observed at the onset of Early Evening Nautical Twilight (E.E.N.T.), with the centre of the sun below the horizon by 6°, or a trifle more.

In calendar terms, things change slowly, but over time, the vernal and autumn equinoxes occur earlier in the year. *Wikipedia* (with added comment and clarification in square brackets):

'The precession of Earth's axis of rotation with respect to inertial space is....called the precession of the equinoxes. Like a wobbling top, the direction of the Earth's axis is changing; while today, the North Pole points roughly to Polaris, over time it will change. Because of this wobble, the position of the earth in its orbit around the sun at the moment of the equinoxes and solstices will also change. The term precession typically refers only to the largest periodic motion. Other changes of Earth's axis are nutation and polar motion; their magnitude is very much smaller. Currently, this annual motion is about 50.3 seconds of arc per year or 1 degree every 71.6 years. The process is slow, but cumulative. A complete precession cycle covers a period of approximately 25,765 years, the so called Platonic year, during which time the equinox regresses....360° through all twelve constellations of the zodiac [taking 2,147 years to traverse each one].'

Encyclopædia Britannica:

'Also moving with this wobble is the projection onto the sky of Earth's Equator. This projection, a great circle, is called the celestial equator. The celestial equator intersects another useful great circle, the ecliptic. As Earth orbits the Sun, the constantly changing direction from which the Sun is viewed causes it to trace out the ecliptic. The celestial equator is inclined at a 23.44° angle to the ecliptic (the so-called obliquity of the ecliptic). The celestial equator and the ecliptic intersect at two points called the equinoxes (vernal and autumnal). During the course of the year, as Earth orbits the Sun, the latter is seen crossing the Equator twice, in March moving from the Southern Hemisphere into the Northern Hemisphere and in September moving in the opposite direction. The equinoxes drift westward along the ecliptic at the rate of 50.3 arcseconds annually as the celestial equator moves with Earth's precession.'

2000	<u>New Moons</u> : Jan 07; Feb 05; Mar 06; <u>Apr 05</u> ; May 04; June 02; July 02, 31; Aug 29; Sept 28; Oct 27; Nov 26; Dec 26 (vernal equinox: Mar 20, 09:35; Rosh hashanah Apr 05).
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Passover:	April 18	Pentecost:	June 11	Atonement:	Oct 07
U/bread:	April 19-25	Trumpets:	Sept 28	Tabernacles:	Oct 12-18
				LGD:	Oct 19

2001	<u>New Moons</u> : Jan 24; Feb 23; <u>Mar 25</u> ; Apr 23; May 23; June 21; July 21; Aug 19; Sept 17; Oct 17; Nov 15; Dec 15 (vernal equinox: Mar 20, 15:31; Rosh hashanah Mar 25).
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Passover:	April 07	Pentecost:	May 27	Atonement:	Sept 26
U/bread:	April 08-14	Trumpets:	Sept 17	Tabernacles:	Oct 01-07
				LGD:	Oct 08

2002	<u>New Moons</u> : Jan 13; Feb 12; Mar 14; <u>Apr 13</u> ; May 12; June 11; July 10; Aug 09; Sept 07; Oct 06; Nov 05; Dec 04 (vernal equinox: Mar 20, 21:16; Rosh hashanah Apr 13).
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Passover:	April 26	Pentecost:	June 16	Atonement:	Oct 15
U/bread:	April 27-May 03	Trumpets:	Oct 06	Tabernacles:	Oct 20-26
				LGD:	Oct 27

2003	<u>New Moons</u> : Jan 03; Feb 01; Mar 03; <u>Apr 02</u> ; May 01, 31; June 30; July 29; Aug 28; Sept 26; Oct 25; Nov 24; Dec 23 (vernal equinox: Mar 21, 03:00; Rosh hashanah Apr 02).
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Passover:	April 15	Pentecost:	June 08	Atonement:	Oct 05
U/bread:	April 16-22	Trumpets:	Sept 26	Tabernacles:	Oct 10-16
				LGD:	Oct 17

2004	<u>New Moons</u> : Jan 22; Feb 20; <u>Mar 21</u> ; Apr 19; May 19; June 18; July 17; Aug 16; Sept 14; Oct 14; Nov 12; Dec 12 (vernal equinox: Mar 20, 08:49; Rosh hashanah Mar 21).
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Passover:	April 03	Pentecost:	May 23	Atonement:	Sept 23
U/bread:	April 04-10	Trumpets:	Sept 14	Tabernacles:	Sept 28-Oct 04
				LGD:	Oct 05

2005	<u>New Moons</u> : Jan 10; Feb 09; Mar 10; <u>Apr 09</u> ; May 08; June 07; July 06; Aug 05; Sept 04; Oct 03; Nov 02; Dec 02, 31 (vernal equinox: Mar 20, 14:33; Rosh hashanah Apr 09).
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Passover:	April 22	Pentecost:	June 12	Atonement:	Oct 12
U/bread:	April 23-29	Trumpets:	Oct 03	Tabernacles:	Oct 17-23
				LGD:	Oct 24

2006	<u>New Moons</u> : Jan 29; Feb 28; <u>Mar 29</u> ; Apr 28; May 27; June 25; July 25; Aug 24; Sept 22; Oct 22; Nov 21; Dec 20 (vernal equinox: Mar 20, 20:26; Rosh hashanah Mar 29).
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Passover:	April 11	Pentecost:	June 04	Atonement:	Oct 01
U/bread:	April 12-18	Trumpets:	Sept 22	Tabernacles:	Oct 06-12
				LGD:	Oct 13

2007	<u>New Moons</u> : Jan 19; Feb 18; Mar 19; <u>Apr 17</u> ; May 17; June 15; July 14; Aug 13; Sept 11; Oct 11; Nov 10; Dec 10 (vernal equinox: Mar 21, 02:07; Rosh hashanah Apr 17).
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Passover:	April 30	Pentecost:	June 24	Atonement:	Oct 20
U/bread:	May 01-07	Trumpets:	Oct 11	Tabernacles:	Oct 25-31
				LGD:	Nov 01

2008	<u>New Moons</u> : Jan 08; Feb 07; Mar 08; <u>Apr 06</u> ; May 05; June 04; July 03; Aug 01; Aug 31; Sept 29; Oct 29; Nov 28; Dec 27 (vernal equinox: Mar 20, 07:48; Rosh hashanah Apr 06).
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Passover:	April 19	Pentecost:	June 08	Atonement:	Oct 08
U/bread:	April 20-26	Trumpets:	Sept 29	Tabernacles:	Oct 13-19
				LGD:	Oct 20

2009	<u>New Moons</u> : Jan 26; Feb 25; <u>Mar 27</u> ; Apr 25; May 24; June 23; July 22; Aug 20; Sept 19; Oct 18; Nov 17; Dec 16 (vernal equinox: Mar 20, 13:44; Rosh hashanah Mar 27).
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Passover:	April 09	Pentecost:	May 31	Atonement:	Sept 28
U/bread:	April 10-16	Trumpets:	Sept 19	Tabernacles:	Oct 03-09
				LGD:	Oct 10

2010	<u>New Moons</u> : Jan 15; Feb 14; Mar 16; <u>Apr 14</u> ; May 14; June 12; July 12; Aug 10; Sept 08; Oct 08; Nov 06; Dec 06 (vernal equinox: Mar 20, 19:32; Rosh hashanah Apr 14).
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Passover:	April 27	Pentecost:	June 20	Atonement:	Oct 17
U/bread:	April 28-May 04	Trumpets:	Oct 08	Tabernacles:	Oct 22-28
				LGD:	Oct 29

2011	<u>New Moons</u> : Jan 04; Feb 03; Mar 05; <u>Apr 03</u> ; May 03; June 02; July 01, 31; Aug 29; Sept 27; Oct 27; Nov 25; Dec 25 (vernal equinox: Mar 21, 01:21; Rosh hashanah Apr 03).
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Passover:	April 16	Pentecost:	June 05	Atonement:	Oct 06
U/bread:	April 17-23	Trumpets:	Sept 27	Tabernacles:	Oct 11-17
				LGD:	Oct 18

2012	<u>New Moons</u> : Jan 23; Feb 22; <u>Mar 22</u> ; Apr 21; May 21; June 19; July 19; Aug 17; Sept 16; Oct 15; Nov 14; Dec 13 (vernal equinox: Mar 20, 07:14; Rosh hashanah Mar 22).
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Passover:	April 04	Pentecost:	May 27	Atonement:	Sept 25
U/bread:	April 05-11	Trumpets:	Sept 16	Tabernacles:	Sept 30-Oct 06
				LGD:	Oct 07

2013	<u>New Moons</u> : Jan 12; Feb 10; Mar 12; <u>Apr 10</u> ; May 10; June 08; July 08; Aug 07; Sept 05; Oct 05; Nov 03; Dec 03 (vernal equinox: Mar 20, 13:02; Rosh hashanah Apr 10).
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Passover:	April 23	Pentecost:	June 16	Atonement:	Oct 14
U/bread:	April 24-30	Trumpets:	Oct 05	Tabernacles:	Oct 19-25
				LGD:	Oct 26

2014	<u>New Moons</u> : Jan 01, 31; Mar 01, <u>31</u> ; Apr 29; May 29; June 27; July 27; Aug 25; Sept 24; Oct 24; Nov 22; Dec 22 (vernal equinox: Mar 20, 18:57; Rosh hashanah Mar 31).
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Passover:	April 13	Pentecost:	June 08	Atonement:	Oct 03
U/bread:	April 14-20	Trumpets:	Sept 24	Tabernacles:	Oct 08-14
				LGD:	Oct 15

2015	<u>New Moons</u> : Jan 20; Feb 19; Mar 20; <u>Apr 19</u> ; May 18; June 16; July 16; Aug 14; Sept 13; Oct 13; Nov 12; Dec 11 (vernal equinox: Mar 21, 00:45; Rosh hashanah Apr 19).
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Passover:	May 02	Pentecost:	June 21	Atonement:	Oct 22
U/bread:	May 03-09	Trumpets:	Oct 13	Tabernacles:	Oct 27-Nov 02
				LGD:	Nov 03

2016	<u>New Moons</u> : Jan 10; Feb 08; Mar 09; <u>Apr 07</u> ; May 07; June 05; July 04; Aug 03; Sept 01; Oct 01, 31; Nov 29; Dec 29 (vernal equinox: Mar 20, 06:30; Rosh hashanah Apr 07).
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Passover:	April 20	Pentecost:	June 12	Atonement:	Oct 10
U/bread:	April 21-27	Trumpets:	Oct 01	Tabernacles:	Oct 15-21
				LGD:	Oct 22

2017	<u>New Moons</u> : Jan 28; Feb 26; <u>Mar 28</u> ; Apr 26; May 26; June 24; July 23; Aug 22; Sept 20; Oct 20; Nov 18; Dec 18 (vernal equinox: Mar 20, 12:28; Rosh hashanah Mar 28).
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Passover:	April 10	Pentecost:	June 04	Atonement:	Sept 29
U/bread:	April 11-17	Trumpets:	Sept 20	Tabernacles:	Oct 04-10
				LGD:	Oct 11

2018	<u>New Moons</u> : Jan 17; Feb 16; Mar 17; <u>Apr 16</u> ; May 15; June 14; July 13; Aug 11; Sept 10; Oct 09; Nov 08; Dec 07 (vernal equinox: Mar 20, 18:15; Rosh hashanah Apr 16).
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Passover:	April 29	Pentecost:	June 24	Atonement:	Oct 18
U/bread:	April 30-May 06	Trumpets:	Oct 09	Tabernacles:	Oct 23-29
				LGD:	Oct 30

2019	<u>New Moons</u> : Jan 06; Feb 04; Mar 07; <u>Apr 05</u> ; May 05; June 03; July 03; Aug 01, 30; Sept 29; Oct 28; Nov 27; Dec 26 (vernal equinox: Mar 20, 23:58; Rosh hashanah Apr 05).
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Passover:	April 18	Pentecost:	June 09	Atonement:	Oct 08
U/bread:	April 19-25	Trumpets:	Sept 29	Tabernacles:	Oct 13-19
				LGD:	Oct 20

2020	<u>New Moons</u> : Jan 25; Feb 23; <u>Mar 24</u> ; Apr 23; May 23; June 21; July 21; Aug 19; Sept 17; Oct 17; Nov 15; Dec 15 (vernal equinox: Mar 20, 05:49; Rosh hashanah Mar 24).
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Passover:	April 06	Pentecost:	May 31	Atonement:	Sept 26
U/bread:	April 07-13	Trumpets:	Sept 17	Tabernacles:	Oct 01-07
				LGD:	Oct 08

2021	<u>New Moons</u> : Jan 13; Feb 12; Mar 13; <u>Apr 12</u> ; May 12; June 10; July 10; Aug 08; Sept 07; Oct 06; Nov 05; Dec 04 (vernal equinox: Mar 20, 11:37; Rosh hashanah Apr 12).
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Passover:	April 25	Pentecost:	June 20	Atonement:	Oct 15
U/bread:	April 26-May 02	Trumpets:	Oct 06	Tabernacles:	Oct 20-26
				LGD:	Oct 27

2022	<u>New Moons</u> : Jan 03; Feb 01; Mar 03; <u>Apr 01</u> ; May 01, 30; June 29; July 29; Aug 27; Sept 26; Oct 25; Nov 24; Dec 23 (vernal equinox: Mar 20, 17:33; Rosh hashanah Apr 01).
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Passover:	April 14	Pentecost:	June 05	Atonement:	Oct 05
U/bread:	April 15-21	Trumpets:	Sept 26	Tabernacles:	Oct 10-16
				LGD:	Oct 17

2023	<u>New Moons</u> : Jan 22; Feb 20; <u>Mar 22</u> ; Apr 20; May 19; June 18; July 18; Aug 16; Sept 15; Oct 15; Nov 13; Dec 13 (vernal equinox: Mar 20, 23:24; Rosh hashanah Mar 22).
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Passover:	April 04	Pentecost:	May 28	Atonement:	Sept 24
U/bread:	April 05-11	Trumpets:	Sept 15	Tabernacles:	Sept 29-Oct 05
				LGD:	Oct 06

2024	<u>New Moons</u> : Jan 11; Feb 10; Mar 10; <u>Apr 09</u> ; May 08; June 06; July 06; Aug 04; Sept 03; Oct 03; Nov 01; Dec 01, 31 (vernal equinox: Mar 20, 05:06; Rosh hashanah Apr 09).
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Passover:	April 22	Pentecost:	June 16	Atonement:	Oct 12
U/bread:	April 23-29	Trumpets:	Oct 03	Tabernacles:	Oct 17-23
				LGD:	Oct 24

2025	<u>New Moons</u> : Jan 29; Feb 28; <u>Mar 29</u> ; Apr 28; May 27; June 25; July 25; Aug 23; Sept 22; Oct 21; Nov 20; Dec 20 (vernal equinox: Mar 20, 11:01; Rosh hashanah Mar 29).
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Passover:	April 11	Pentecost:	June 01	Atonement:	Oct 01
U/bread:	Apr 12-18	Trumpets:	Sept 22	Tabernacles:	Oct 06-12
				LGD:	Oct 13

2026	<u>New Moons</u> : Jan 19; Feb 17; Mar 19; <u>Apr 17</u> ; May 17; June 15; July 14; Aug 13; Sept 11; Oct 11; Nov 09; Dec 09 (vernal equinox: Mar 20, 16:45; Rosh hashanah Apr 17).
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Passover:	April 30	Pentecost:	June 21	Atonement:	Oct 20
U/bread:	May 01-07	Trumpets:	Oct 11	Tabernacles:	Oct 25-31
				LGD:	Nov 01

2027	<u>New Moons</u> : Jan 07; Feb 07; Mar 08; <u>Apr 07</u> ; May 06; June 05; July 04; Aug 02; Sept 1, 30; Oct 29; Nov 28; Dec 28 (vernal equinox: Mar 20, 22:24; Rosh hashanah Apr 07).
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Passover:	April 20	Pentecost:	June 13	Atonement:	Oct 09
U/bread:	April 21-27	Trumpets:	Sept 30	Tabernacles:	Oct 14-20
				LGD:	Oct 21

2028	<u>New Moons</u> : Jan 27; Feb 25; <u>Mar 26</u> ; Apr 25; May 24; June 23; July 22; Aug 20; Sept 19; Oct 18; Nov 16; Dec 16 (vernal equinox: Mar 20, 04:16; Rosh hashanah Mar 26).
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Passover:	April 08	Pentecost:	May 28	Atonement:	Sept 28
U/bread:	April 09-15	Trumpets:	Sept 19	Tabernacles:	Oct 03-09
				LGD:	Oct 10

2029	<u>New Moons</u> : Jan 15; Feb 13; Mar 15; <u>Apr 14</u> ; May 13; June 12; July 11; Aug 10; Sept 08; Oct 08; Nov 06; Dec 06 (vernal equinox: Mar 20, 10:01; Rosh hashanah Apr 14).
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Passover:	April 27	Pentecost:	June 17	Atonement:	Oct 17
U/bread:	April 28-May 04	Trumpets:	Oct 08	Tabernacles:	Oct 22-28
				LGD:	Oct 29

2030	<u>New Moons</u> : Jan 04; Feb 03; Mar 04; <u>Apr 03</u> ; May 02; June 01; July 01, 30; Aug 29; Sept 27; Oct 27; Nov 25; Dec 25 (vernal equinox: Mar 20, 15:51; Rosh hashanah Apr 03).
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Passover: April 16	Pentecost: June 09	Atonement: Oct 06
U/bread: Apr 17-23	Trumpets: Sept 27	Tabernacles: Oct 11-17
		LGD: Oct 18

SABBATICAL & JUBILEE YEARS: 1998–2030

1998	Sabbatical : March 28, 1998—April 15, 1999 (inclusive)
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2005	Sabbatical : April 09, 2005—March 28, 2006 (inclusive)
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2012	Sabbatical : March 22, 2012—April 09, 2013 (inclusive)
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2019	Sabbatical : April 05, 2019—March 23, 2020 (inclusive)
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2026	Sabbatical : April 17, 2026—April 06, 2027 (inclusive)
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2027	Jubilee : April 07, 2027—Mar 25, 2028 (inclusive)
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NEW MOON KING'S FEAST TIMES²

1998	U.T.C.	1999	U.T.C.	2000	U.T.C.
28 January	06:01	17 January	15:46	06 January	18:14
26 February	17:26	16 February	06:39	05 February	13:04
28 March	03:14	17 March	18:48	06 March	05:17
26 April	11:41	16 April	04:22	04 April	18:12
25 May	19:32	15 May	12:05	04 May	04:12
24 June	03:50	13 June	19:03	02 June	12:14
23 July	13:44	13 July	02:24	01 July	19:20
22 August	02:03	11 August	11:09	31 July	02:25
20 September	17:02	09 September	22:02	29 August	10:19
20 October	10:10	09 October	11:35	27 September	19:53
19 November	04:27	08 November	03:53	27 October	07:58
18 December	22:43	07 December	22:32	25 November	23:12
				25 December	17:22

² expressed in U.T.C., Co-ordinated Universal Time, not strictly identical with G.M.T., Greenwich Mean Time, which is an average. U.T.C. adjustment for individual local time zone is necessary. There is no D.S.T. 'Daylight Saving Time' in U.T.C., so for those areas affected, a D.S.T. local adjustment should be made in summer time. Where New Moon days calculated from Jerusalem differ from the day of the local time of the King's Feast, then the New Moon day is as calculated from Jerusalem, and the King's Feast is kept at the point of the dark lunar conjunction, at the local time, q.v. sup.

2001	U.T.C.	2002	U.T.C.	2003	U.T.C.
24 January	13:07	13 January	13:29	02 January	20:23
23 February	08:22	12 February	07:41	01 February	10:49
25 March	01:22	14 March	02:03	03 March	02:35
23 April	15:26	12 April	19:21	01 April	19:18
23 May	02:47	12 May	10:45	01 May	12:15
21 June	11:58	10 June	23:47	31 May	04:20
20 July	19:45	10 July	10:26	29 June	18:39
19 August	02:55	08 August	19:15	29 July	06:53
17 September	10:28	07 September	03:10	27 August	17:26
16 October	19:24	06 October	11:18	26 September	03:09
15 November	06:40	04 November	20:35	25 October	12:50
14 December	20:48	04 December	07:35	23 November	22:59
				23 December	09:43

2004	U.T.C.	2005	U.T.C.	2006	U.T.C.
21 January	21:05	10 January	12:03	29 January	14:15
20 February	09:18	08 February	22:28	28 February	00:31
20 March	22:41	10 March	09:11	29 March	10:15
19 April	13:21	08 April	20:32	27 April	19:44
19 May	04:52	08 May	08:45	27 May	05:26
17 June	20:27	06 June	21:55	25 June	16:05
17 July	11:24	06 July	12:03	25 July	04:31
16 August	01:24	05 August	03:05	23 August	19:10
14 September	14:29	03 September	18:46	22 September	11:45
14 October	02:48	03 October	10:28	22 October	05:14
12 November	14:27	02 November	01:25	20 November	22:18
12 December	01:29	01 December	15:01	20 December	14:01
		31 December	03:12		

2007	U.T.C.	2008	U.T.C.	2009	U.T.C.
19 January	04:01	08 January	11:37	26 January	07:26
17 February	16:14	07 February	03:44	25 February	01:35
19 March	02:43	07 March	17:14	26 March	16:06
17 April	11:36	06 April	03:55	25 April	03:23
16 May	19:27	05 May	12:18	24 May	12:11
15 June	03:13	03 June	19:23	22 June	19:35
14 July	12:04	03 July	02:19	22 July	02:35
12 August	23:02	01 August	10:12	20 August	10:01
11 September	12:44	30 August	19:58	18 September	18:44
11 October	05:01	29 September	08:12	18 October	05:33
09 November	23:03	28 October	23:14	16 November	19:14
09 December	17:40	27 November	16:55	16 December	12:02
		27 December	12:23		

2010	U.T.C.	2011	U.T.C.	2012	U.T.C.
15 January	07:12	04 January	09:03	23 January	07:39
14 February	02:52	03 February	02:31	21 February	22:35
15 March	21:01	04 March	20:46	22 March	14:37
14 April	12:29	03 April	14:32	21 April	07:19
14 May	01:05	03 May	06:51	20 May	23:47
12 June	11:15	01 June	21:03	19 June	15:03
11 July	19:41	01 July	08:54	19 July	04:25
10 August	03:08	30 July	18:40	17 August	15:55
08 September	10:30	29 August	03:04	16 September	02:11
07 October	18:44	27 September	11:09	15 October	12:03
06 November	04:52	26 October	19:56	13 November	22:08
05 December	17:36	25 November	06:10	13 December	08:42
		24 December	18:06		

2013	U.T.C.	2014	U.T.C.	2015	U.T.C.
11 January	19:44	01 January	11:14	20 January	13:14
10 February	07:20	30 January	21:39	18 February	23:47
11 March	19:51	01 March	08:00	20 March	09:36
10 April	09:36	30 March	18:45	18 April	18:57
10 May	00:29	29 April	06:15	18 May	04:13
08 June	15:57	28 May	18:40	16 June	14:05
08 July	07:15	27 June	08:09	16 July	01:25
06 August	21:51	26 July	22:42	14 August	14:54
05 September	11:37	25 August	14:13	13 September	06:42
05 October	00:35	24 September	06:14	13 October	00:06
03 November	12:50	23 October	21:57	11 November	17:48
03 December	00:23	22 November	12:33	11 December	10:03
		22 December	01:36		

2016	U.T.C.	2017	U.T.C.	2018	U.T.C.
10 January	01:31	28 January	00:07	17 January	02:17
08 February	14:39	26 February	14:59	15 February	21:05
09 March	01:55	28 March	02:58	17 March	13:12
07 April	11:24	26 April	12:16	16 April	01:57
06 May	19:30	25 May	19:45	15 May	11:48
05 June	03:00	24 June	02:31	13 June	19:43
04 July	11:01	23 July	09:46	13 July	02:48
02 August	20:45	21 August	18:30	11 August	09:58
01 September	09:04	20 September	05:30	09 September	18:01
01 October	00:12	19 October	19:12	09 October	03:47
30 October	17:39	18 November	11:42	07 November	16:02
29 November	12:19	18 December	06:30	07 December	07:20
29 December	06:54				

2019	U.T.C.	2020	U.T.C.	2021	U.T.C.
06 January	01:28	24 January	21:42	13 January	05:00
04 February	21:04	23 February	15:32	11 February	19:06
06 March	16:04	24 March	09:28	13 March	10:21
05 April	08:50	23 April	02:26	12 April	02:31
04 May	22:46	22 May	17:39	11 May	19:00
03 June	10:02	21 June	06:42	10 June	10:53
02 July	19:16	20 July	17:33	10 July	01:17
01 August	03:12	19 August	02:41	08 August	13:50
30 August	10:37	17 September	11:00	07 September	00:52
28 September	18:26	16 October	19:31	06 October	11:05
28 October	03:39	15 November	05:07	04 November	21:15
26 November	15:06	14 December	16:17	04 December	07:43
26 December	05:13				

2022	U.T.C.	2023	U.T.C.	2024	U.T.C.
02 January	18:34	21 January	20:53	11 January	11:57
01 February	05:46	20 February	07:06	09 February	22:59
02 March	17:35	21 March	17:23	10 March	09:01
01 April	06:24	20 April	04:13	08 April	18:21
30 April	20:28	19 May	15:53	08 May	03:22
30 May	11:30	18 June	04:37	06 June	12:38
29 June	02:52	17 July	18:32	05 July	22:57
28 July	17:55	16 August	09:38	04 August	11:13
27 August	08:17	15 September	01:40	03 September	01:56
25 September	21:54	14 October	17:55	02 October	18:50
25 October	10:48	13 November	09:27	01 November	12:48
23 November	22:57	12 December	23:32	01 December	06:22
23 December	10:17			30 December	22:27

2025	U.T.C.	2026	U.T.C.	2027	U.T.C.
29 January	12:36	18 January	19:52	07 January	20:24
28 February	00:45	17 February	12:01	06 February	15:56
29 March	10:58	19 March	01:24	08 March	09:30
27 April	19:32	17 April	11:52	06 April	23:51
27 May	03:02	16 May	20:01	06 May	10:59
25 June	10:32	15 June	02:54	04 June	19:41
24 July	19:11	14 July	09:44	04 July	03:02
23 August	06:06	12 August	17:36	02 August	10:05
21 September	19:54	11 September	03:27	31 August	17:41
21 October	12:26	10 October	15:50	30 September	02:36
20 November	06:48	09 November	07:02	29 October	13:36
20 December	01:44	09 December	00:52	28 November	03:24
				27 December	20:12

2028	U.T.C.	2029	U.T.C.	2030	U.T.C.
26 January	15:13	14 January	17:25	04 January	02:49
25 February	10:38	13 February	10:32	02 February	16:08
26 March	04:32	15 March	04:20	04 March	06:35
24 April	19:47	13 April	21:40	02 April	22:03
24 May	08:17	13 May	13:42	02 May	14:12
22 June	18:28	12 June	03:51	01 June	06:21
22 July	03:02	11 July	15:51	30 June	21:35
20 August	10:44	10 August	01:56	30 July	11:11
18 September	18:24	08 September	10:45	28 August	23:07
18 October	02:57	07 October	19:15	27 September	09:55
16 November	13:18	06 November	04:24	26 October	20:17
16 December	02:06	05 December	14:52	25 November	06:47
				24 December	17:32