

## Dead Sea Scrolls Calendar Footnotes

### Cycles in the Calendar

1. Solar cycle – months are based on the solar cycle. Every three months, the month starts on the same day of the week.
2. Lunar cycle – every three years, the lunar cycle repeats. I think this is how they determined which year they were supposed to set aside a tithe for the poor.
3. Priest cycle – the priests rotate through their cycles 13 times in six years. The first year starts with Gamul. After six years (the full length of the calendar diagrammed as well as the extent of what was recorded in the scrolls), the year starts with Gamul again.
4. Constellation cycle – the sun moves through all the constellations once a year.

### Footnotes for Enoch and Dead Sea Scrolls Calendar:

- A. 14<sup>th</sup> of the 1<sup>st</sup> month – Passover: Exodus 12; Exodus 34:25; Leviticus 23:4,5; Numbers 9:1-5, 14; Deuteronomy 16:1-2, 5-7, 16; Joshua 5:10; 2 Kings 23:21-23; 2 Chronicles 35:1-19; Ezra 6:19-21; Ezekiel 45:21; DSS 4Q320 4Q Calendrical Document A (Fragment 4, col. III-VI); DSS 4Q321 4Q Calendrical Document B (Fragment 2, col. I v.8 – col. IV); DSS 4Q329 4Q Calendrical Document G; DSS 11Q19 11Q Temple(a) Col. XVII; Jubilees 2:9-11
- B. 15<sup>th</sup> of the 1<sup>st</sup> month – first day of Unleavened Bread: Genesis 19:3; Exodus 12:14-20; Exodus 13:1-5; Exodus 23:14-16, 18; Exodus 34:18, 25; Leviticus 23:6,7; Numbers 28:17-23; Deuteronomy 16:3-4, 8, 16; Joshua 5:11-12; Judges 6:19-21; 1 Samuel 28:24; 2 Kings 23:9; 2 Chronicles 8:13; Ezra 6:22; Ezekiel 45:21-24; DSS 11Q19 11Q Temple(a) Col. XI, XVII;
- C. 21<sup>st</sup> of the 1<sup>st</sup> month – last day of Unleavened Bread: Exodus 13:6-10; Leviticus 23:8; Numbers 28:24-25; DSS 11Q19 11Q Temple(a) Col. XVII
- D. First Fruits – day after the Sabbath: Exodus 34:26; Leviticus 23:9-14; Numbers 28:26-31; 2 Kings 4:42; Ezekiel 44:30; DSS 4Q320 4Q Calendrical Document A (Fragment 4, col. III-VI); DSS 4Q321 4Q Calendrical Document B (Fragment 2, col. I v.8 – col. IV); DSS 4Q325 4Q Calendrical Document D; DSS 11Q19 11Q Temple(a) Col. XI, XVIII
- E. 14<sup>th</sup> of the 2<sup>nd</sup> month – second Passover: Numbers 9:6-13; 2 Chronicles 30; DSS 4Q320 4Q Calendrical Document A (Fragment 4, col. III-VI); DSS 4Q321 4Q Calendrical Document B (Fragment 2, col. I v.8 – col. IV)
- F. Feast of Weeks – 50 days from First Fruits: Exodus 23:16, 19; Exodus 34:22-26; Leviticus 23:15-21; Deuteronomy 16:9-11; Deuteronomy 26; 2 Chronicles 8:13; 2 Chronicles 31:5; Nehemiah 10:35-37; Nehemiah 12:44; DSS 4Q320 4Q Calendrical Document A (Fragment 4, col. III-VI); DSS 4Q321 4Q Calendrical Document B (Fragment 2, col. I v.8 – col. IV); DSS 11Q19 11Q Temple(a) Col. XI, XVIII, XLIII; DSS 11Q20 11Q Temple(B) Col. III; Jubilees 6:17-22; Jubilees 15; Jubilees 22; Jubilees 29:6,7
- G. Festival of Wine: Numbers 18:12; Deuteronomy 18:4; Nehemiah 10:35-37; DSS 4Q325 4Q Calendrical Document D; DSS 11Q19 11Q Temple(a) Col. XIX-XXI, XLIII; DSS 11Q20 11Q Temple(B) Col. IV-V
- H. Festival of Oil: Numbers 18:12; Deuteronomy 18:4; Nehemiah 10:35-37; DSS 4Q325 4Q Calendrical Document D; DSS 4Q327 4Q Calendrical Document E(b); DSS 11Q19 11Q Temple(a) Col. XI, XXI-XXIII, XLIII; DSS 11Q20 11Q Temple(B) Col. V-VI
- I. Constellations: DSS 4Q318 Brontologion
- J. Festival of Wood (6 days): DSS 4Q325 4Q Calendrical Document D; DSS 4Q327 4Q Calendrical Document E(b); DSS 11Q19 11Q Temple(a) Col. XXIII-XXIV, XLIII; DSS 11Q20 11Q Temple(B) Col. VI
- K. 1<sup>st</sup> of 7<sup>th</sup> month – Day of Trumpets/Remembrance: Leviticus 23:23-25; Numbers 29:1-6; DSS 4Q320 4Q Calendrical Document A (Fragment 4, col. III-VI); DSS 4Q321 4Q Calendrical Document B (Fragment 2, col. I v.8 – col. IV); DSS 11Q19 11Q Temple(a) Col. XXV
- L. 10<sup>th</sup> of 7<sup>th</sup> month – Day of Atonement: Exodus 30:10; Leviticus 16:29-34; Leviticus 23:26-32; Leviticus 25:9; Numbers 29:7-11; DSS 4Q320 4Q Calendrical Document A (Fragment 4, col. III-VI); DSS 4Q321 4Q Calendrical Document B (Fragment 2, col. I v.8 – col. IV); DSS 11Q19 11Q Temple(a) Col. XXV-XXVII
- M. 15<sup>th</sup> of 7<sup>th</sup> month – first day of Tabernacles/Booths/Huts/Tents: Exodus 23:16; Exodus 34:22-23; Leviticus 23:33-35; Leviticus 23:39-43; Numbers 29:12-34; Deuteronomy 16:13-16; 2 Chronicles 8:13; 2 Chronicles 30:13-21; 2 Chronicles 35:17; Ezra 3:4; Ezra 6:22; Nehemiah 8:13-17; Ezekiel 45:25; Zechariah 14:16-19, DSS 4Q320 4Q Calendrical Document A (Fragment 4, col. III-VI); DSS 4Q321 4Q Calendrical Document B (Fragment 2, col. I v.8 – col. IV); DSS 11Q19 11Q Temple(a) Col. XI, XXVII-XXIX, XLII; Jubilees 16:21-31

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- N. 22<sup>nd</sup> of 7<sup>th</sup> month – last day of Tabernacles: Leviticus 23:36; Leviticus 23:39; Numbers 29:35-38; Jubilees 32:27-29
- O. 31<sup>st</sup> day – days of equinox & solstices; extra day at each quarter (31<sup>st</sup> day) not calculated: Enoch 74:2.3
- P. Priestly order: 1 Chronicles 24:7-19; DSS 4Q320 4Q Calendrical Document A (Fragment 4, col. III-VI); DSS 4Q321 4Q Calendrical Document B (Fragment 2, col. I v.8 – col. IV); entrance of the weekly service on the Sabbath: DSS 4Q323 4Q Calendrical Document C (Frag. 1-3); duties of the priests DSS 4Q325 4Q Calendrical Document D (Fragments 1, 2).
- Q. First day of the month – solar cycle: (Note: in the following scriptures, the Hebrew phrase, rosh chodesh, is incorrectly translated “new moon”. The literal translation is “head (rosh) of the month (chodesh),” and is used in context as meaning new month. The Dead Sea Scrolls use this same phrase throughout the scrolls that lay out the solar calendar with its feasts.) Numbers 28:10-15; Numbers 29:6; 1 Samuel 20:5, 18, 27, 34; 2 Kings 4:23; 1 Chronicles 23:31; 2 Chronicles 2:4; 2 Chronicles 8:13; 2 Chronicles 31:3; Ezra 3:5; Nehemiah 10:33; Psalm 81:3; Isaiah 1:13-14; Isaiah 47:13; Isaiah 66:23; Ezekiel 45:17; Ezekiel 46:1, 3, 6; Hosea 2:11; Hosea 5:7; Amos 8:5; Enoch 71:9-41
- R. First day of the lunar cycle/length of cycle/priest serving: DSS 4Q320 4Q Calendrical Document A; DSS 4Q321 4Q Calendrical Document B; DSS 6Q17 6 Q Calendrical Document; lunar cycle begins with a full moon: DSS 4Q320 Calendrical Document A; DSS 4Q321 Calendrical Document B; crescent dates recorded in DSS 4Q321 Calendrical Document B.
- S. Sabbath: Genesis 2:2-3; Exodus 16:22-36; Exodus 20:8-11; Exodus 31:12-17; Exodus 34:21; Exodus 35:1-3; Leviticus 19:3, 30; Leviticus 23:3; Leviticus 24:1-9; Numbers 15:32-36; Numbers 28:9-10; Deuteronomy 5:12-15; 2 Kings 4:23; 2 Kings 11:5-9; 2 Kings 16:18; 1 Chronicles 9:32; 1 Chronicles 23:31; 2 Chronicles 2:4; 2 Chronicles 8:13; 2 Chronicles 23:4-8; 2 Chronicles 31:3; 2 Chronicles 36:21; Nehemiah 9:14; Nehemiah 10:31-33; Nehemiah 13:15-22; Psalm 92; Isaiah 1:13; Isaiah 56; Isaiah 58:13-14; Isaiah 66:21-24; Jeremiah 17:19-27; Lamentations 2:6; Ezekiel 20:12-24; Ezekiel 22:8, 26; Ezekiel 23:38; Ezekiel 44:24; Ezekiel 45:17; Ezekiel 46:1-4, 12; Hosea 2:11; Amos 8:5; DSS 11Q19 11Q Temple(a) Col. XI; DSS 4Q320 4Q Calendrical Document A (Fragment 4, col. III-VI); DSS 4Q321 4Q Calendrical Document B (Fragment 2, col. I v.8 – col. IV); DSS 11Q19 11Q Temple(a) Col. XLIII; Jubilees 2:9-11
- T. Priest courses (quarterly): DSS 4Q328 4Q Calendrical Document F(a)+(b); quarterly division of year w/ 13 weeks each: Jubilees 6:23-31
- U. Moon Phases: DSS 4Q317 4Q Crypt A Phases of the Moon; Enoch 77:4-21
- V. Sun passes through heavenly gates & length of day vs. length of night: Enoch 71:9-41
- W. Moon passes through heavenly gates: Enoch 72:4-9; Enoch 78
- X. Hebrew month names:
1. 1<sup>st</sup> month – Aviv/Nisan: Exodus 13:4, 23:15, 34:18; Deuteronomy 16:1; Nehemiah 2:1; Esther 3:7
  2. 2<sup>nd</sup> month – Iyyah/Zif: 1 Kings 6:1, 6:37
  3. 3<sup>rd</sup> month – Sivan: Ester 8:9
  4. 4<sup>th</sup> month – Tammuz
  5. 5<sup>th</sup> month – Av
  6. 6<sup>th</sup> month – Elul: Nehemiah 6:15; 1 Maccabees 14:27
  7. 7<sup>th</sup> month – Tishri/Ethanim: 1 Kings 8:2; Tishri: 4Q318
  8. 8<sup>th</sup> month – Marheshvan/Bul: 1 Kings 6:38
  9. 9<sup>th</sup> month – Chisleu/Kislev: Nehemiah 1:1; Zechariah 7:1; 1 Maccabees 1:54
  10. 10<sup>th</sup> month – Tebeth: Esther 2:16;
  11. 11<sup>th</sup> month – Sebat: Zechariah 1:7; 1 Maccabees 16:14
  12. 12<sup>th</sup> month – Adar: Ezra 6:15, Esther 3:7, 13; Esther 8:12; Esther 9:1, 15, 17, 19, 21; 1 Maccabees 7:43; 2 Maccabees 1:9
- Y. 364 Days: DSS 4Q394 4Q Halakhic Letter; Jubilees 6:32-38; Enoch 71:42
- Z. Lunar cycle 10 days shorter than solar cycle: Jubilees 6:36-38; DSS Calendrical Documents (as the cycles lay out in the calendar)

DSS: The Dead Sea Scrolls Study Edition, Volumes 1 & 2, by Garcia Martinez & Tigchelaar, Brill & William B. Eerdmans Publishing Co., 2000. This source contains all non-canonized documents found in the Dead Sea Scrolls collection. Text is organized with the Hebrew, Greek or Aramaic on the left and English translation on the right of each page. Another source, not cited here, which includes the canonized documents, is the Dead Sea Scrolls Bible by Martin Abegg Jr., Peter Flint & Eugene Ulrich, 1999.

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Enoch: Translation by Lawrence on <http://reluctant-messenger.com/enoch.htm> -- history of book, as well as citations in scripture and by church fathers given in the introduction. Several copies of Enoch were recovered with the Dead Sea Scrolls, and fragments and their translations are included in the DSS reference book above.

Jubilees: Translation by R. H. Charles on [http://reluctant-messenger.com/book\\_jubilees.htm](http://reluctant-messenger.com/book_jubilees.htm) . Several copies of Jubilees were recovered with the Dead Sea Scrolls, and fragments and their translations are included in the DSS reference book above.

Researcher's note: I am aware that the year according to the human perspective is 365.25 days long, which obviously does not sync with the 364 day Enoch and Dead Sea Scrolls calendar. I am fully confident that the astronomers of old were also aware of this. One theory that I have is that the calendar is established from God's perspective – one time zone for the whole world. If you happen to have any insight into this, another theory, or any other constructive criticism related to the biblical calendar, please contact me (Shari Freeland) at [sharifreeland@comcast.net](mailto:sharifreeland@comcast.net) .

### Arguments against the Lunar/Solar calendar promoted by Judaism today:

The lunar-solar calendar requires a 13<sup>th</sup> month to be added about every three years to keep the spring months in the spring. The problem is that scripture does not support a 13<sup>th</sup> month. Additionally, the lunar months would oscillate between 29 & 30 days. Scripture doesn't support a 29 day month. Finally, the feasts have agricultural offerings, which would require certain crops to be at maturity at a certain timeframe. If the month comes early that year, so that the crop is not ready, or the crop comes late, so that the crop has fallen to the ground (the crop cannot be harvested until the first fruits offerings are made), the offering would not be able to be made. Agriculture follows the solar cues, not the lunar cues.

### Twelve months per year: (Scriptures cited are NASB version)

1 Chronicles 27:1 Now this is the enumeration of the sons of Israel, the heads of fathers' households, the commanders of thousands and of hundreds, and their officers who served the king in all the affairs of the divisions which came in and went out month by month throughout all the months of the year, each division numbering 24,000: Jashobeam the son of Zabdiel had charge of the first division for the first month... Dodai the Ahohite and his division had charge of the division for the second month... The third commander of the army for the third month was Benaiah ... The fourth for the fourth month was Asahel the brother of Joab ... The fifth for the fifth month was the commander Shamhuth the Izrahite ... The sixth for the sixth month was Ira the son of Ikkesh the Tekoite ... The seventh for the seventh month was Helez the Pelonite ... The eighth for the eighth month was Sibbecai the Hushathite ... The ninth for the ninth month was Abiezer the Anathothite ... The tenth for the tenth month was Maharai the Netophathite ... The eleventh for the eleventh month was Benaiah the Pirathonite ... The twelfth for the twelfth month was Heldai the Netophathite ... [Who would serve for a 13<sup>th</sup> month?]

1 Kings 4:7 Solomon had twelve deputies over all Israel, who provided for the king and his household; each man had to provide for a month in the year. [Again, there is no one to serve in the 13<sup>th</sup> month.]

Esther 2:12 Now when the turn of each young lady came to go in to King Ahasuerus, after the end of her twelve months under the regulations for the women – for the days of their beautification were completed as follows: six months with oil of myrrh and six months of spices and the cosmetics for women – the young lady would go in to the king in this way: anything that she desired was given her to take with her from the harem to the king's palace.

Esther 3:7 In the first month, which is the month Nisan, in the twelfth year of King Ahasuerus, Pur, that is the lot, was cast before Haman from day to day and from month to month, until the twelfth month, that is the month Adar.

Revelation 22:2 in the middle of its street on either side of the river was the tree of life, bearing twelve kinds of fruit, yielding its fruit every month; and the leaves of the tree were for the healing of the nations.

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**First month:** Gen. 8:13, Exo.12:2, 12:18, 40:2, 40:17, Lev. 23:5, Num. 9:1, 9:5, Num. 20:1, 28:16, 33:3, Josh. 4:19, 1 Chr. 12:15, 2 Chr. 29:3, 29:17, 35:1, Ezr. 6:19, 7:9, 8:31, 10:17, Esther 3:7, 3:12, Eze. 19:17, 30:20, 45:18, 45:21, Dan. 10:4,

**Second month:** Gen. 7:11, 8:14, Exo. 16:1, Num. 1:1, 1:18, Num. 9:11, 10:11, 1 Kin. 6:1, 2 Chr. 3:2, 30:2, 30:13, 30:15, Ezr. 3:8,

**Third month:** Exo. 19:1, 2 Chr. 15:10, 31:7, Est. 8:9, Eze. 31:1

**Fourth month:** 2 Kin. 25:3, Jer. 39:2, 52:6, Eze. 1:1

**Fifth month:** Num. 33:38, 2 Kin. 25:8, Ezr. 7:8, 7:9, Jer. 1:3, 28:1, Eze. 20:1, Zec. 7:3

**Sixth month:** Eze. 8:1, Haggai 1:1, 1:15,

**Seventh month:** Gen. 8:4, Lev. 16:29, 23:24, 23:27, 23:34, 23:39, 23:41, 25:9, Num. 29:1, 29:7, 29:12, 1 Kin. 8:2, 2 Kin. 25:25, 2 Chr. 5:3, 7:10, 31:7, Ezr. 3:1, 3:6, Neh. 7:73, 8:2, 8:14, Jer. 29:17, 41:1, Eze. 45:25, Hag. 2:1, Zec. 7:5, 8:19

**Eighth month:** 1 Kin. 6:38, 12:32, 12:33, Zec. 1:1

**Ninth month:** Ezr. 10:9, Jer. 36:9, 36:22, Hag. 2:10, 2:18, Zec. 7:1

**Tenth month:** Gen. 8:5, 2 Kin. 25:1, Ezr. 10:16, Est. 2:16, Jer. 39:1, 52:4, Eze. 24:1, 29:1, 33:21, Zec. 8:19

**Eleventh month:** Deu. 1:3, Zec. 1:7

**Twelfth month:** Est. 3:7, 3:13, 8:12, 9:1, Jer. 52:31, Eze. 29:1, 32:1

**Thirteenth month:** NO VERSES!

### Thirty days per month:

Genesis 7:11: In the six hundredth year of Noah's life, in the second month, on the seventeenth day of the month, on the same day all the fountains of the great deep burst open, and the floodgates of the sky were opened. 7:24 The water prevailed upon the earth one hundred and fifty days. 8:3 and the water receded steadily from the earth, and at the end of one hundred and fifty days the water decreased. In the seventh month, on the seventeenth day of the month, the ark rested upon the mountains of Ararat. [5 months from 2<sup>nd</sup> to 7<sup>th</sup> month, 150 days = 30 days per month minimum] [Dead Sea Calendar has one month with 31 days at each quarter. Enoch states that the extra quarterly day should not be counted in the calculation of the year, Enoch 74:2]

Revelation 11:2-3 2"Leave out the court which is outside the temple and do not measure it, for it has been given to the nations; and they will tread under foot the holy city for forty-two months. 3"And I will grant authority to my two witnesses, and they will prophesy for twelve hundred and sixty days, clothed in sackcloth." [42x30 = 1260]

### YHWH removed our feasts during exile:

Hosea 2:11 "I will also put an end to all her gaiety, her feasts, her new [months], her Sabbaths and all her festal assemblies.

Isaiah 1:14 "I hate your new [month] festivals and your appointed feasts, they have become a burden to Me; I am weary of bearing them.

Lamentations 1:4 The roads of Zion are in mourning because no one comes to the appointed feasts. All her gates are desolate; her priests are groaning, her virgins are afflicted, and she herself is bitter.

Zephaniah 3:18 "I will gather those who grieve about the appointed feasts--They came from you, O Zion; the reproach of exile is a burden on them.

Isaiah 29:1 Woe, O Ariel, Ariel the city where David once camped! Add year to year; observe your feasts on schedule.

Psalms 90:12 So teach us to number our days, that we may present to You a heart of wisdom.