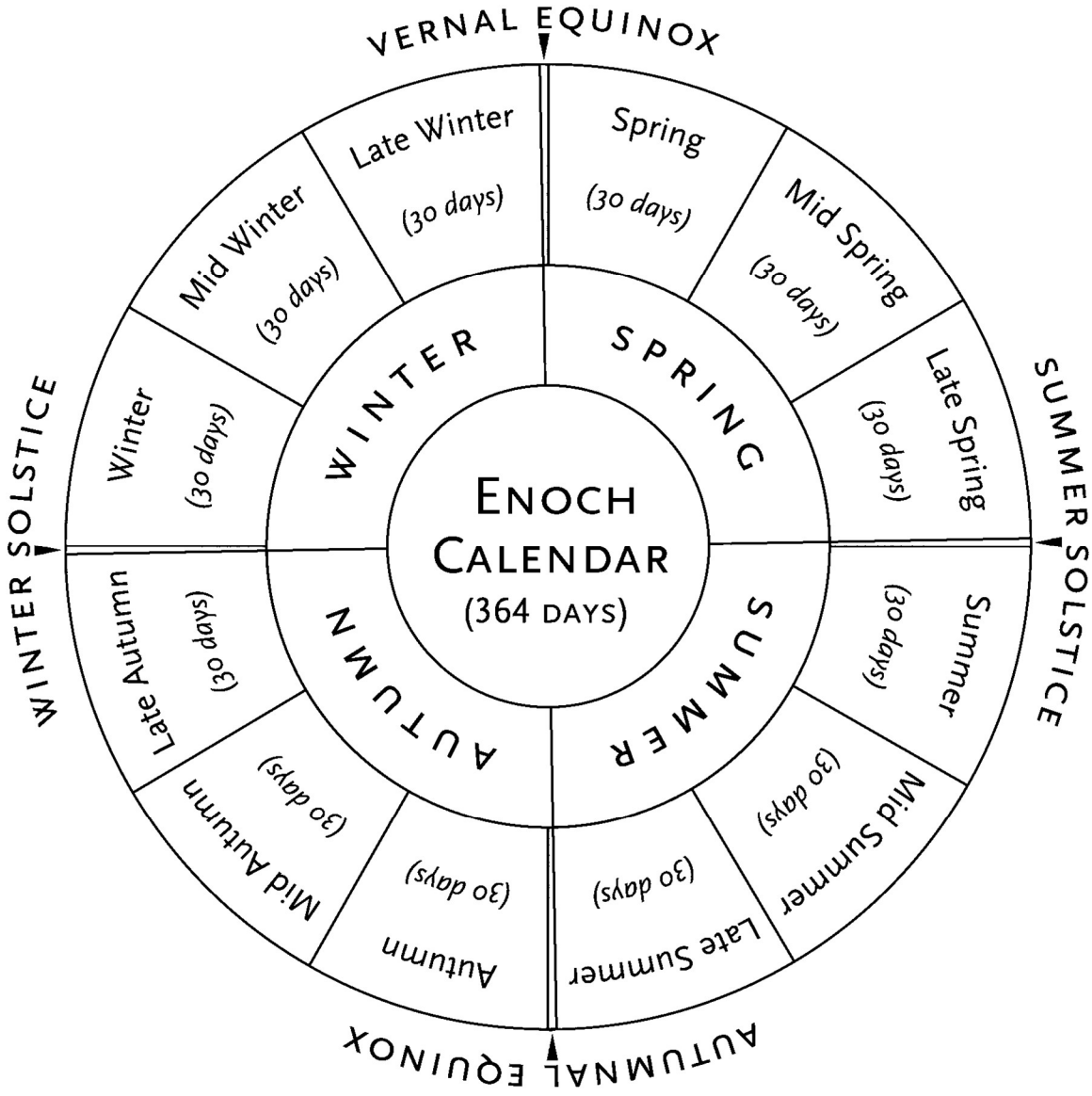


1Enoch 72
Solar Calendar



1Enoch 72:32

72:32 the year is exactly as to its days three hundred and sixty-four.

In reality a year is 365.25 days, not 364. The calculations laid out in 72:32 would lose more than a day each year.

A similar tracking of the sun thru four 91 day seasons appears in the Sefer Raziel. However the Sefer Raziel recognizes that each season has additional hours (these are not our modern standard "hours"):

"In the first season the Sun is in Aries, Taurus and Gemini for 91 days, three hours, and one fourth of three hours.

In the second season the Sun is in Cancer, Leo and Virgo for 91 days, three hours, and one fourth of three hours.

In the third season the Sun is in Libra, Scorpio and Sagittarius for 91 days, three hours, and one fourth of three hours.

In the fourth season the Sun is in Capricorn, Aquarius and Pisces for 91 days, three hours, and one fourth of three hours."

(Sefer Raziel)

The Zohar closely associates the Book of Enoch and Book of Raziel. The Zohar says of these two books:

God did indeed send down a book to Adam... Tradition further tells us that Enoch also had a book, which came from the same place as the book of the generations of Adam... This is the source of the book known as The Book of Enoch.

(Zohar 37b)

...when Adam was in the Garden of Eden, God sent down to him a book by the hand of Raziel... Similarly Enoch possessed a book through which He learnt to discern the divine glory.

(Zohar 55b)

1Enoch 73

In reality a twelve month lunar year is 354 days with six 30 day months and six 29 day months.

However:

The Book of Enoch lays out a lunar calendar of 360 days with six 30 day months.

73:3 her days are like the days of the sun

They clearly are not. A lunar year is 354 days and a solar year is 365.25 days (364 according to 1Enoch) But this chapter seems to envision a 360 day year with 12 months in which the lunar year and solar year coincide perfectly.

When her light is uniform (i.e. full) it amounts to the seventh part of the light of the sun.

Actually the full moon is $1/398,110^{\text{th}}$ the brightness of the sun, not a mere $1/7^{\text{th}}$.

1Enoch 74

74:10-11 *And if five years are added together the sun has an overage of thirty days*

$$354 \times 5 = 1,770$$

$$360 \times 5 = 1,800$$

$$1,800 - 1,770 = 30$$

These verses are configured to a 360 day year, not the 364 day year laid out in Chapter 72 and verses 74:13-16 and chapter 75.

A 364 day solar year is ten days longer than the 354 day lunar year. It would gain ten days not just six. Strangely in verses 13-16 the text switches back to a 364 day year such that verses 11 and 14 contradict one another. Verse 11 says that in 5 years the lunar year falls behind 30 days, but in verse 14 we are told that the lunar year falls behind the solar year by 50 days.

1Enoch 82:4-7 criticizes those who use a 360-day solar year and not the 364-day solar year.

74:12 *...they do not advance or delay their position by a single day unto eternity; but complete the years with perfect justice in three hundred and sixty four days.*

This verse again insists that the 364 day does not gain or lose days, but in reality it loses 1.25 days a year to the true 365.25 day solar year.

74:13 Suddenly switching back to the 364 day solar year of chapter 72 and 74:12. This verse simply says that

$$364 \times 3 = 1,092$$

$$364 \times 5 = 1,820$$

$$364 \times 8 = 2,912$$

74:14 This verse simply says that $354 \times 3 = 1062$ and that in five years a 354 day lunar year falls 50 days behind a 364 day solar year (ten days each year).

$$354 \times 5 = 1,770$$

$$364 \times 5 = 1,820$$

$$1,820 - 1,770 = 50$$