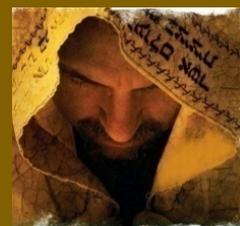


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To the Torah & the Testimony
If anyone does not speak according to these words
It is because they have no light in them.
Yesh'yahu (Isaiah) 8:20; Revelation 12:17; 14:12



Time Study 5 Noah and the 360 Day Solar Calendar

Genesis 7:11 thru 8:4

In Time Study 3 we discussed the existence of a 360 day solar/30 day lunar calendar, but can we find evidence of this prior calendar in the Scriptures? The answer to this according to the story of Noah is a resounding yes!

In the examples below I present how different calendar approaches calculate out when applied to the time of the flood. **B'reshet (Genesis) 7:11-8:4** states that 150 days passed from the 17th day of the 2nd Moon to the 17th day of the 7th Moon.

In **B'reshet (Genesis) 8:14** it is written that the flood that began on the 17th day of the 2nd Moon ended on the 27th day of the second Moon of the following year – a total of 1 year 10 days later.

On a modern Gregorian calendar that would come to a total of 375 days (376 days with a leap year) from **B'reshet (Genesis) 7:11 to 8:14**; but on a 360 day solar calendar that would come out to a total of 370 days (360+10).

So to test out the various candidates for a calendar to explain the 150 days of Noah that occurred from **B'reshet (Genesis) 7:11 to 8:4** we need to find a calendar that shows not only a precise 150 day passage from the 17th day of the 2nd Moon to the 17th day of the 7th Moon, but that if the proper candidate is a 360 year calendar - a total passage of time from **B'reshet (Genesis) 7:11 to 8:14** of 370 days.

I will begin with the modern Gregorian calendar, which though not in existence at the time of the flood, will provide a standard to compare the others against.

The Scriptures declare the flood to have occurred 1656 years from the creation of Adam (*See: Time Line 1*). Using the Gregorian method of calculation, that would cause the year 1656 to be a leap year and would play out as follows:

1. The Artificial Gregorian Calendar (31,29,31,30,31,30,31,31,30,31,30,31) with 366 day solar year during a leap year calculated from the day of creation (the 1656th year from Adam).

Genesis 7:11 to 8:4	= Feb 17 to Jul 17	= 151 days (12+31+30+31+30+17)
Genesis 8:5	= Jul 17 to Oct 1	= 76 days (14+31+30+1)
Genesis 8:14	= Oct 1 to Feb 27	= 149 days (30+30+31+31+27)
		= 376 days total

From the Gregorian calculation of our modern calendar you could say that 375 days would cover the 1 year 10 day passage of time from beginning to end, but for the 150 day period required of Scripture, the Gregorian would have 151 days during this leap year. So immediately we can see that a change has occurred in the sun-moon relation since the time of the flood that has caused the days and years to become longer.

2. And if we took the same current solar year of 365.25 days and divided it into 12 equal parts of 30.4375 day months with no leap years, you would still end up with a similar result.

Genesis 7:11 to 8:4 = 2-17 to 7-17 = **152.1875** days (13.4375+30.4375+30.4375+30.4375+30.4375+17)
Genesis 8:5 = 7-17 to 10-1 = 75.3125 days (13.4375+30.4375+30.4375+1)
Genesis 8:14 = 10-1 to 2-27 = 147.7500 days (29.4375+30.4375+30.4375+30.4375+27)
= 375.25 days total

In example 2 above the 1 year and 10 days can be justified, but the 150 days of Noach is off by 2.1875 days
3. In this example, we count by the actual "current" length of lunar days of 29.53 days.

Genesis 7:11 to 8:4 = 2-17 to 7-17 = **147.65** (12.53+29.53+29.53+29.53+29.53+17)
Genesis 8:5 = 7-17 to 10-1 = 72.59 (12.53+29.53+29.53+1)
Genesis 8:14 = 10-1 to 2-27 = 144.12 (28.53+29.53+29.53+29.53+27)
= 364.36 days total

In examples 1 and 2 above we used the artificially created Gregorian calendar for our count. The first by standard months (31, 28/29, 31, 30 etc...), the second by averaging (30.4375).

But in Noach's passage, Noach refers to moon cycles specifically when he states on the 17th day of the 2nd Moon, and 17th day of the 7th Moon, and 27th day of the 2nd Moon, etc...

So it is really the one we must count by, because it is an actual assumed natural and observable count that Noach would have been able to verify and go by, as opposed to the artificial count of the Gregorian design.

But in this example we see that if the moon cycle in Noach's day was only 29.53 days in length like it is today, then the 150 day count from the 17th day of the 2nd Moon to the 17th day of the 7th Moon would have fallen short by 2.35 days. Additionally, the lunar count over the course of a year and 10 days under the current solar cycle would fall shy of the current 375.25 day count (365.25+10) by 11.10 days.

Having presented these various approaches there appears to be no acceptable solution to resolve how Noach came up with 150 day period from 2-17 to 7-17 from the perspective of our current 365.25 day solar year, 29.53 day lunar cycle. However, when we look into creation science and study the mathematics of ancient astronomy and the religious practices of ancient cultures we are able to solve the difficulty.

Creation science has determined that the reason why our solar years are 365.25 days long is because of the tilt of the earth on its axis and of its resulting wobble in its orbit around the sun. It has also been discovered and mathematically calculated that if the axis of the earth was a true vertical north to south, not only would the wobble disappear from the earth's orbit around the sun, but the length of time that it would take for the earth to complete its orbit around the sun would be reduced from 365.25 days down to an even 360 days, and the moons orbit would increase from the current 29.5 day orbit around the earth to an even 30 day orbit.

This is further supported by ancient cultures that worshipped 360 gods, one for each day of their solar year, as well as by the degrees of a circle which was determined long ago by ancient astronomers to be 360, rather than 365 in number.

If these things are all reflective of the lunar and earth orbits at the time of the flood then we should be able to plug these numbers into this passage of Genesis concerning the flood and not only have a perfect match concerning the 150 days from **Genesis 7:11 to 8:4**, but also a perfect match for the solar year plus 10 days as well.

Here is the 30 day lunar, 360 day solar, calendar plugged into this passage below

Genesis 7:11 to 8:4 = 2-17 to 7-17 = **150** days (13+30+30+30+30+17)
Genesis 8:5 = 7-17 to 10-1 = 74 days (13+30+30+1)
Genesis 8:14 = 10-1 to 2-27 = 146 days (29+30+30+30+27)
= 370 days total

This provides a perfect match to both the 150 day period from 2-17 to 7-17, and to the 360 day solar year. So apparently the effect of the flood (a possible meteor/asteroid strike of the earth) knocked the earth off its vertical axis, and out of its orbit; the effect of which possibly did not noticeably change the orbit of the earth until sometime after the flood ended.

The other possibility, and more likely possibility, is that the earth's orbit was not changed until the day the earth stood still for a day with Yehoshua (Joshua), son of Nun, as recorded in **Yehoshua (Joshua) 10:13** (likely caused by a meteor/asteroid strike also).

I would suggest that it was this latter event that changed the orbit, because according to creation scientists, a good part of the flood would have been caused by a meteor shattering a thin canopy of ice that surrounded the earth causing a huge amount of rain to fall to the earth as the ice melted when falling through the atmosphere to the earth. But an ice canopy being shattered does not seem like it would alter the orbit of the earth.

However, in **Yehoshua (Joshua) 10:13** a large meteor/asteroid hitting the earth ***directly*** could cause the earth to alter its orbit, which in turn would change the orbit of the moon, and conceivably cause the sun and the moon to stand still in the sky for a day as the earth transitioned into its new orbit.

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