| CODE 144 | CODE 166 | CODE 196 | CODE 228 | CODE 243 | CODE 251 |
|---|---|---|---|---|---|
| CODE 294 | CODE 427 | CODE 490 | CODE 590 | CODE 666 | CODE 01010 |
| CODE 1260 | CODE1447 | CODE 1900 | CODE 1975 | CODE 2300 | CODE 6000 |

# Solar Eclipses near the Spring Equinox after 14 AD

Floyd R. Cox   6/23/2023 Revised 7/20/2023 (Based upon NASA)

: http://www.cgsf.org/dbeattie/calendar/?roman=71+AD
http://wweclipse.gsfc.nasa.gov/Secat5/Se0001-0100.html
https://www.timeanddate.com/calendar/?year=71&country=1

When there is an eclipse of the sun on March 20, 21, 22, or 23 (near the spring equinox), this causes the next lunar year to begin 354 days later, in the winter, unless a 13th moon is added.

Since dates repeat after 19 years, a 13th month would have been added in 14, 33, 52, 71 and 90 AD, as in Table 1 using dates of new moons found in NASA.

This restores the lunar calendar for the first century instead of calculating it from the Hebrew calendar date of creation allegedly in 3761 BC. Adam allegedly died in his 931st year, in the 19th jubilee (49 x 19). This would also begin the 19-year calendar and would suggest that Sabbaths, years, sabbaticals, jubilees and a wrong date for Adam would produce wrong calculations for the first century. The Hebrew calendar (and Codex Judaica) dates Creation as 3761 BC with 532 x 7 years down to Herod in 37 BC (or 196 x 19). Academia has rejected 3761. 3761 deletes 165 years by claiming the temple was founded in 832 BC instead of 968 and by claiming that Abraham was born 292 years after the flood instead of 352 years (Deletions = 136 + 60 = 196 years (4 jubilees). These years need to be restored before 3761.

| 14 AD | 3/19 19 |
|---|---|
| 33 AD | 3/19 19 |
| 52 AD | 3/19 19 |
| 71 AD | 3/20 19 |
| 90 AD | 3/21 19 |
| 117 AD | 3/21 19 |
| 136 AD | 3/20 19 |
| 155 AD | 3/20 19 |
| 163 AD | 3/22 19 |
| 182 AD | 3/22 19 |
| 201 AD | 3/22 19 |
| 220 AD | 3/22 ⑧ |
| 228 AD | 3/23 19 |
| 247 AD | 3/24 19 |
| 266 AD | 3/24 19 |
| 285 AD | 3/23 |
| 293 AD | 3/25 19 |
| 312 AD | 3/24 |

| 312 AD | 3/24 19 |
|---|---|
| 331 | 3/25 19 |
| 350 | 3/24 19 |
| 358 | 3/26 ⑧ |
| 366 | 3/25 19 |
| 396 | 3/25 19 |
| 415 | 3/26 ⑧ |
| 423 | 3/28 19 |
| 442 | 3/28 19 |
| 461 | 3/28 19 |
| 480 | 3/27 19 |
| 499 | 3/27 19 |
| 518 | 3/17 19 |
| **527** | 3/18 ⑧ |
| **535** | 3/19 19 |
| 554 | 3/19 19 |
| 573 | 3/19 19 |
| 592 | 3/19 19 |

**546**

| Table 2 | | | |
|---|---|---|---|
| 19 | ⑤㉗ 527 | 3/18 | 3/20 |
| Nisan 1 for 19 yrs. Hebrew Calendar | | | |
| cgsf.org   dbeattie | | | |
| HERE | | | |
| 1 | 528 | | 3/07 or 4/06 |
| 2 | 529 | | 3/27 |
| 3 | 530 | | 3/16 or 4/15 |
| 4 | 531 | | 3/06 or 4/05 |
| 5 | 532 | | 3/23 |
| 6 | 533 | | 3/12 or 4/11 |
| 7 | 534 | | 4/01 |
| 8 | ⑤㉟ 535 | ③⑲ 3/19 | 3/20 |
| 9 | 536 | | 3/09 or 4/08 |
| 10 | 537 | | 3/28 |
| 11 | 538 | | 3/18 or 4/17 |
| 12 | 539 | | 3/06 or 4/05 |
| 13 | 540 | | 3/24 or 4/23 |
| 14 | 541 | | 3/14 or 4/13 |
| 15 | 542 | | 4/01 |
| 16 | 543 | | 3/22 |
| 17 | 544 | | 3/10 or 4/09 |
| 18 | 545 | | 3/30 |
| 19 | ⑤㊻ 546 | ③⑱ 3/18 | 3/20 |
| NASA solar eclipse on or near the spring equinox | | | |
| Click HERE | | | |

Note: Solar eclipses were close to the spring equinox, which was on March 21 from 325 to 453 AD (128 years).

| TABLE 3. | | | |
|---|---|---|---|
| **3/19** | **3/20** | **3/21** | **2/22** |
| 14 | (19 x 2) | | |
| 52 | | | |
| 19 | 71 | | |
| | 19 | 90 | |
| | | 19 (+8) | |
| | | 117 | |
| | 136 | 19 | |
| | 155 | | |
| | | (+8) | 163 |
| | | | 182 |
| | | | 201 |
| | | | 220 |
| (535) | | | |
| 554 | | | |
| 573 | | | |
| 592 | | | 19 x 14 |
| (+8) | 600 | | |
| | 611 | | |
| | (+8) | | |
| | | 619 | |
| | | 638 | |
| 19 x 21 | 657 | 19 | |
| | 19 | (+8) | 665 |
| | 676 | | 11   19 |
| | | (+8) | 684 |
| | | | 703 |
| | | 722 | 19 |
| | | 741 | |
| 991 | | | |
| 1056 | | | |
| 1075 | | | |
| 1094 | | 19 x 22 | 19 x 25 |
| 1113 | | | |
| 1132 | | | |
| | 19 (+8) | 1159 | 19 |
| | | 1178 | |
| | | (+8) | 1186 |
| | | | 19 |
| | | | 1205 |
| | | 19 x 2 | 1243 |
| | | | 19 |
| | | 1262 | |
| | | 19 x 19 | |
| 1624 | | | |
| 19 | 1643 | | |

## Notes on TABLE 3

Solar eclipses (when the moon transits the sun) occur on or near the spring equinox (on 3/19, 3/20, 3/21 or 3/22 as in Table 3, which was derived from NASA solar eclipse charts.

On the chart, simply go to 14 AD and click on "Find" and type "Mar 19". This will display each year in which a new moon or new lunar year begins on March 19 down to the present, 2015 AD.

Next, do the same for March 20, 21 & 22. This is how Table 3 was created.

Gaps will appear because the eclipse cycle is only 18 years, 10 days and 8 hours instead of 19 years.

Keep in mind that, when a new lunar year begins on the spring equinox, for example, on March 20, as it did in 71 AD, the lunar year ends in the winter, 11 days before the next equinox. Thus a 13th moon of 30 days is added in order to make the new lunar year begin 19 days after the spring equinox (30 -11 = 19).

The dates repeat after 19 years except for the fact that 19 years may have 4 leap years (4 x 4 = 16 instead of 19), and 2 cycles (38 years) may have 9 leap years (4 x 9 = 36 years instead of 38), and 3 cycles (57 years) may have 14 leap years (4 x 14 = 56 years instead of 57), and 4 cycles have 76 years (4 x 19 = 76).

After 76 years, lunar and solar dates repeat, but this does not include the weeks repeating until after 532 years (4 x 7 x 19).

This becomes curious when we discover that, from 3761 to 569 BC, there are 532 x 6 years. From 3761 to 37 BC, there are 532 x 7 years. From 569 to 37 BC, there are 532 years.

The Hebrew calendar has 354 days per year and 177 days per half year. By adding the first day of the 7th moon, there are 532 days.

March 20 in 71 AD was the first day of the first lunar month of the new year on the Hebrew calendar, and a 13th moon is added before the new lunar year in 72 AD. The eclipse was so complete that the stars could be seen shortly after noon in parts of Greece.

| New Moon Solar Eclipse (NASA) | New Moon (seen from Jerusalem) New Lunar Year (Nisan 1) (Trumpets announce assemblies) |
|---|---|
| AD | (Dbeattie Hebrew Calendar) |
| 14  3/19 | 3/20 |
| 33  3/19 | 3/21 |
| 52  3/19 | 3/19 |
| 71  3/20 | 3/21 |
| 90  3/20 | 3/20 |

| | | | | | |
|---|---|---|---|---|---|
| | | 1662 | 19 | | |
| | 1681 | | | | |
| | (+8) | 1689 | | | |
| | | | 19 | 1708 | |
| | | | | 1727 | |
| | | | | 1746 | |
| | | 1765 | 19 | | |
| | | 19 (+8) | 1792 | | |
| 2007 | | | | | |
| (+8) | 2015 | | | | |
| | 2034 | 19 | | | |

Each year began in the spring 19 years earlier, in 52, 33, and 14 AD, and evidence shows that dates 70, 50, 31 and 12 AD should begin in the spring, but some say 31 AD began in the winter.

## TABLE 4.

| Yr | Date | Yr | Date | Yr | Date | Yr | Date | Yr | Date | Yr | Date |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 3/30 | 32 | 4/1 | 51 | 3/30 | 70 | 3/30 | 89 | 3/30 | 108 | 3/30 |
| | +19 | | +19 | | | | +19 | | +19 | | +19 |
| 14 AD | 3-20 4/19 | 33 AD | 3-21 4/18 | 52 | 3-19 4/18 | 71 | 3-19 4/18 | 90 AD | 3-19 4/18 | 109 AD | 3-19 4/18 |
| | -11 | | -11 | | | | -11 | | -11 | | -11 |
| 15 | 4/9 | 34 | 4/8 | 53 | 4/7 | 72 | 4/7 | 91 | 4/7 | 110 | 4/7 |
| | -11 | | -11 | | | | -11 | | -11 | | -11 |
| 16 | 3/28 | 35 | 3/29 | 52 | 3/28 | 73 | 3/27 | 92 | 3/27 | 111 | 3/27 |
| | +19 | | +19 | | | | +19 | | +19 | | +19 |
| 17 | 3/18 | 36 | 4/17 | 55 | 4/18 | 74 | 4/15 | 93 | 4/15 | 112 | 4/15 |
| | -11 | | -11 | | | | -11 | | -11 | | -11 |
| 18 | 4/5 | 37 | 4/4 | 56 | 4/4 | 75 | 4/4 | 94 | 4/4 | 113 | 4/4 |
| | -11 | | -11 | | | | -11 | | -11 | | -11 |
| 19 | 3/25 | 38 | 3/25 | 57 | 3/24 | 76 | 3/24 | 95 | 3/24 | 114 | 3/24 |
| | +19 | | +19 | | | | +19 | | +19 | | +19 |
| 20 | 4/13 | 39 | 4/14 | 58 | 4/12 | 77 | 4/12 | 96 | 4/12 | 115 | 4/12 |
| | -11 | | -11 | | | | -11 | | -11 | | -11 |
| 21 | 4/01 | 40 | 4/01 | 59 | 4/01 | 78 | 4/01 | 97 | 4/01 | 116 | 4/01 |
| | -11 | | -11 | | | | -11 | | -11 | | -11 |
| 22 | 3/22 | 41 | 3/21 | 60 | 3/21 | 79 | 3/21 | 98 | 3/21 | 117 | 3/21 |
| | +18 | | +18 | | | | +18 | | +18 | | +18 |
| 23 | 4/10 | 42 | 4/10 | 61 | 4/8 | 80 | 4/8 | 99 | 4/8 | 118 | 4/8 |
| | -11 | | -11 | | | | -11 | | -11 | | -11 |
| 24 | 3/30 | 43 | 3/30 | 62 | 3/28 | 81 | 3/28 | 100 | 3/28 | 119 | 3/28 |
| | +19 | | +19 | | | | +19 | | +19 | | +19 |
| 25 | 3/18 | 44 | 3/19 | 63 | 4/16 | 82 | 4/16 | 101 | 4/16 | 120 | 4/16 |
| | -11 | | -11 | | | | -11 | | -11 | | -11 |
| 26 | 4/6 | 45 | 4/6 | 64 | 4/5 | 83 | 4/5 | 102 | 4/5 | 121 | 4/5 |
| | -11 | | -11 | | | | -11 | | -11 | | -11 |
| 27 | 3/27 | 46 | 3/26 | 65 | 3/25 | 84 | 3/25 | 103 | 3/25 | 122 | 3/25 |
| | +19 | | +19 | | | | +19 | | +19 | | +19 |
| 27 | 4/13 | 47 | 4/15 | 66 | 4/13 | 85 | 4/13 | 104 | 4/13 | 123 | 4/13 |
| | -11 | | -11 | | | | -11 | | -11 | | -11 |
| 29 | 4/3 | 48 | 4/2 | 67 | 4/2 | 86 | 4/2 | 105 | 4/2 | 124 | 4/2 |
| | -11 | | -11 | | | | -11 | | -11 | | -11 |
| 30 | 3/23 | 49 | 3/23 | 68 | 3/22 | 87 | 3/22 | 106 | 3/22 | 125 | 3/22 |
| | +19 | | +19 | | | | +19 | | +19 | | +19 |
| 31 | 4/12 | 50 | 4/11 | 69 | 4/10 | 88 | 4/10 | 107 | 4/10 | 126 | 4/10 |
| | -11 | | -11 | | | | -11 | | -11 | | -11 |
| 32 | 4/01 | 51 | 4/1 | 70 | 3/30 | 89 | 3/30 | 108 | 3/30 | 127 | 3/30 |
| | -11 +19 | | -11 +19 | | | | -11 +19 | | -11 +19 | | -11 +19 |
| 33 | 3-19 4/18 | 52 | 3-19 4/18 | 71 | 3-19 4/18 | 90 | 3-19 4/18 | 109 | 3-19 4/18 | 128 | 3-19 4/18 |

Note that, in 31 AD, the lunar year began on about 4/11, not in the winter, and the Crucifixion was 14 days later, on the Passover, on about April 25.

This is proven by 4/10 and 4/11 repeated 19 years after 31 AD and 19 years before. Dates repeat after 19 years.

**Years**

1368 Years
(228 x 6)

| | 747 | 519 | 291 | 63 BC | 14 AD | 166 AD | 394 AD | 622 AD |
|---|---|---|---|---|---|---|---|---|
| 0 | 3/27 | 3/28 | 3/29 | 3/30 | | 3/31 | 4/1 | 4/2 |
| 1 | 4/15 | 4/16 | 4/17 | 4/18 | 14 AD 4-18 | 4/19 | 3/21 | 3/22 |
| 2 | 4/04 | 4/05 | 4/06 | 4/07 | 15 | 4/8 | 4/8 | 4/10 |
| 3 | 3/24 | 3/25 | 3/26 | 3/27 | 16 | 3/28 | 3/28 | 3/30 |
| 4 | 4/12 | 4/13 | 4/14 | 4/15 | 17 | 4/16 | 4/16 | 4/18 |
| 5 | 4/1 | 4/2 | 4/3 | 4/4 | 18 | 4/5 | 4/5 | 4/7 |
| 6 | 3/21 | 3/22 | 3/23 | 3/24 | 19 | 3/25 | 3/25 | 3/27 |
| 7 | 4/8 | 4/9 | 4/11 | 4/12 | 20 | 4/13 | 4/13 | 4/15 |
| 8 | 3/28 | 3/29 | 3/31 | 4/1 | 21 | 4/2 | 4/2 | 4/4 |
| 9 | 4/16 | 4/17 | 4/19 | 3/21 | 22 4-19 | 3/22 | 3/22 | 3/24 |
| 10 | 4/5 | 4/6 | 4/8 | 4/8 | 23 4-09 | 4/9 | 4/10 | 4/12 |
| 11 | 3/25 | 3/26 | 3/28 | 3/28 | 24 3-28 | 3/29 | 3/30 | 4/1 |
| 12 | 4/13 | 4/14 | 4/16 | 4/16 | 25 3-18 | 4/17 | 4/18 | 3/21 |
| 13 | 4/2 | 4/3 | 4/5 | 4/5 | 26 | 4/6 | 4/7 | 4/8 |
| 14 | 3/22 | 3/23 | 3/25 | 3/25 | 27 | 3/26 | 3/27 | 3/28 |
| 15 | 4/10 | 4/11 | 4/13 | 4/13 | 28 | 4/14 | 4/15 | 4/16 |
| 16 | 3/30 | 3/31 | 4/2 | 4/2 | 29 | 4/3 | 4/4 | 4/5 |
| 17 | 4/18 | 4/19 | 3/22 | 3/22 | 30 | 3/23 | 3/24 | 3/25 |
| 18 | 4/7 | 4/8 | 4/9 | 4/10 | 31AD | 4/11 | 4/12 | 4/13 |
| 19 | 3/27 | 3/28 | 3/29 | 3/30 | 32 4-28 | 3/31 | 4/1 | 4/2 |

**https://www.friesian.com/calendar.htm**

**747 BC = Nabonassar calendar**
**622 AD = Moslem Heura Era**
1368 years

```
3/30    4/1
 19     -11     30 – 11 = 19
4/18   3/21
```

**TABLE 5: 228-year Adjustment of the Gregorian Calendar**

In converting 4/19 into 3/21 after every 228 years (from the latest new moon/new year into the earliest), the 3/21 in TABLE 5 will, eventually, drop down and off the page, and this will cause previous years to have 365.246886 days. "Exactly 12 of the 19 year cycles equals 228 years. If we figure a day correction after that span we get, 365 +1/4 -3/400 +1/228 = 365.246886. This is off just a day in 7161 years against the Metonic year. This is quite accurate enough for our purposes, indeed more than twice as accurate as the Gregorian year is for the Sun" (https://www.friesian.com/calendar.htm).

```
        228    228
        yrs    yrs

   3-30   3-31   4-01   4-01
                 +19    -11
   4-18   4-19   4-20   3-21    < 3/22  3/23  3/24
            (11 and 19 reversed)
```

235 moons in 19 years are one day longer than 228 years than the Gregorian calendar in 228 years (19 x 12). So one day needs to be added to the Gregorian calendar in 228 years. This may be done by manipulating the 19th year (as in TABLE 5) by using -11 instead of +19. This allows us to work backwards to restore the 19-years lunar-solar calendar in the first century, in 14, 33, 52 and 71 AD. Evidently, the events in the Bible are based upon the 251 + 251 + 30 = 532 as in the Julian calendar. The 4, 7, 28-year Julian solar cycle is off one day every 128 years.

In conclusion, the above suggests that the ancient time patterns are not in chaos. The proper beginning of the pattern would begin the 19-year calendar and would be the beginning of Sabbaths, years, sabbaticals, jubilees, and a wrong date for Adam would produce wrong calculations for the first century and place the ages in chaos.

As an update, the present jubilee can be calculated from the fall of **BC 4004**, **3955**, 1652, 1407, 966, 623, 574, 35 down to AD 14, 63, 1190, 1974, 2023). (AD **14 to 2023 = 49 x 41**). (AD **14 to 1974 = 49 x 40**). (BC 574 to AD 14 = 12 jubilees).

If the above observations are credible, such patterns suggest they become tangible evidence, leaving no doubt, there is a Pattern Maker, a Higher Dimension co-existing in our lower realm of disinformation and half truths.

## TABLE 6. New Lunar Years (example of 13th moon, +30 – 11 = +19)
(http://www.cgsf.org/dbeattie/calendar/?roman=14)

| | 14 AD | 33 AD | | 52 AD | 71 AD | 90 AD | 109 AD |
|---|---|---|---|---|---|---|---|
| | 3/30 | | 3/30 | 3/30 | 3/30 | 3/30 | 3/30 |
| AD | +19 | AD | +19 | +19 | +19 | +19 | +19 |
| 14 | 3-19 4/18 | 33 | 3-19 4/18 | 3-19 4/18 | 3-19 4/18 | 3-19 4/18 | 3-19 4/18 |
| | -11 | | -11 | -11 | -11 | -11 | -11 |
| 15 | 4/7 | 34 | 4/7 | 4/7 | 4/7 | 4/7 | 4/7 |
| | -11 | | -11 | -11 | -11 | -11 | -11 |
| 16 | 3/27 | 35 | 3/27 | 3/27 | 3/27 | 3/27 | 3/27 |
| | +19 | | +19 | +19 | +19 | +19 | +19 |
| 17 | 4/15 | 36 | 4/15 | 4/15 | 4/15 | 4/15 | 4/15 |
| | -11 | | -11 | -11 | -11 | -11 | -11 |
| 18 | 4/4 | 37 | 4/4 | 4/4 | 4/4 | 4/4 | 4/4 |
| | -11 | | -11 | -11 | -11 | -11 | -11 |
| 19 | 3/24 | 38 | 3/24 | 3/24 | 3/24 | 3/24 | 3/24 |
| | +19 | | +19 | +19 | +19 | +19 | +19 |
| 20 | 4/12 | 39 | 4/12 | 4/12 | 4/12 | 4/12 | 4/12 |
| | -11 | | -11 | -11 | -11 | -11 | -11 |
| 21 | 4/01 | 40 | 4/01 | 4/01 | 4/01 | 4/01 | 4/01 |
| | -11 | | -11 | -11 | -11 | -11 | -11 |
| 22 | 3/21 | 41 | 3/21 | 3/21 | 3/21 | 3/21 | 3/21 |
| | +18 | | +18 | +18 | +18 | +18 | +18 |
| 23 | 4/8 | 42 | 4/8 | 4/8 | 4/8 | 4/8 | 4/8 |
| | -11 | | -11 | -11 | -11 | -11 | -11 |
| 24 | 3/28 | 43 | 3/28 | 3/28 | 3/28 | 3/28 | 3/28 |
| | +19 | | +19 | +19 | +19 | +19 | +19 |
| 25 | 4/16 | 44 | 4/16 | 4/16 | 4/16 | 4/16 | 4/16 |
| | -11 | | -11 | -11 | -11 | -11 | -11 |
| 26 | 4/5 | 45 | 4/5 | 4/5 | 4/5 | 4/5 | 4/5 |
| | -11 | | -11 | -11 | -11 | -11 | -11 |
| 27 | 3/25 | 46 | 3/25 | 3/25 | 3/25 | 3/25 | 3/25 |
| | +19 | | +19 | +19 | +19 | +19 | +19 |
| 27 | 4/13 | 47 | 4/13 | 4/13 | 4/13 | 4/13 | 4/13 |
| | -11 | | -11 | -11 | -11 | -11 | -11 |
| 29 | 4/2 | 48 | 4/2 | 4/2 | 4/2 | 4/2 | 4/2 |
| | -11 | | -11 | -11 | -11 | -11 | -11 |
| 30 | 3/22 | 49 | 3/22 | 3/22 | 3/22 | 3/22 | 3/22 |
| | +19 | | +19 | +19 | +19 | +19 | +19 |
| 31 | 4/10 | 50 | 4/10 | 4/10 | 4/10 | 4/10 | 4/10 |
| | -11 | | -11 | -11 | -11 | -11 | -11 |
| 32 | 3/30 | 51 | 3/30 | 3/30 | 3/30 | 3/30 | 3/30 |
| | -11 +19 | | -11 +19 | -11 +19 | -11 +19 | -11 +19 | -11 +19 |
| 33 | 3-19 4/18 | 52 | 3-19 4/18 | 3-19 4/18 | 3-19 4/18 | 3-19 4/18 | 3-19 4/18 |

## TABLE 6. The Missing 165 Years

| | Codex Judaica & Hebrew Calendar BC | Corrected | |
|---|---|---|---|
| Flood to Abraham 352 - 292 years | = | - 60 years | |
| Founding of the Temple | 832 BC | - 136 = 968 BC | 196 |
| Assyrian Captivity of Israel | 556 BC | - 165 = 721 BC | |
| Josiah finds lost book of Moses | 458 BC | - 165 = 623 BC | |
| Temple burned | 423 BC | - 165 = 588 BC | |
| Fall of Babylon | 374 BC | - 165 = 539 BC | |

### More Details

https://code251.com/hebrew-calendar-lacks-196-years.pdf

Codex Judaica

https://code251.com/academia.edu-crucifixion-date.pdf

https://code251.com/calendar-based-on-31-to-33-ad.pdf

https://code251.com/160-topics.pdf