

# The Calculated Hebrew Calendar IS Provable

A Biblical, Non-Technical Presentation

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By Dan Day

## Introduction

This is a work-in-progress. It has been several years in the making. It is for the sake of the Churches of God and for His people. It has come into being because of a need to condense, clarify, and **simplify** much of the information that exists about both sides of the calendar issue. THIS WORK IS NOT INTENDED TO TRY TO CONVINC ANY WHO WISH TO BELIEVE IN SOMETHING OTHER THAN THE CALCULATED HEBREW CALENDAR. The **purpose** of this work **is** to give more **information and truth** to those who believe in the Hebrew Calendar -- that it is correct, and that it is OF GOD!

There are many calendar “ideas” consisting of hundreds of “sub-ideas,” supported by literally thousands of pages expounding those “ideas.” Much of it is a distortion of data and a twisting of the Scripture, but **all of it is confusing** to anyone who is not well versed in historical facts, solar system data, and scriptural analysis. Yes, I have personally looked at thousands of pages of material. Some of it is very **good**. Some of it is poor but with **good intention**. Some of it is **cleverly subtle**, and some of it is obviously and intentionally **deceitful**. I’m sure you can think of scriptures that apply to each of those descriptions. I found one author whose research had documented and listed nineteen different calendar methods – yes, nineteen. Clearly, **“God is not the author [of nineteen different ways] of confusion.”** Part 1 will begin a process of simplification.

In Part 2, together we will look at some of the scriptures used (on both sides of the issue) with **key words** noted (in **boldface**) and give information about them. In Part 3, we will look at some specific issues in detail. There is no need to look at all arguments that have been brought up by Hebrew Calendar opponents. Most of them are the “twigs and branches” of the issue. They will all fall when the “trunk of the tree” falls.

Matt 3:10: “And now also **the axe is laid unto the root of the trees:** therefore every tree which bringeth not forth good fruit is hewn down, and cast into the fire.” (KJV)

Now, in Part 1, we will begin looking for the trunk of the tree with an overview of the problem. We will begin with a few simple questions and answers – mostly directed toward one of the observable methods.

## Part 1 – Questions and Answers

Q. Why has the calendar become such an issue in recent years in the Churches of God?

A. The Church of God has become greatly divided in the past 30 years. The reasons are both political and doctrinal. **The calendar issue is a doctrinal tool of Satan.** All of the tools of Satan have one purpose -- to “divide and conquer” by causing confusion, and to create further division.

1 Corinthians 14:33: “For God is not the author of **confusion**, but of peace, as in all churches of the saints.” (KJV)

1 Peter 5:8: “Be sober, be vigilant; because your adversary the devil, as a roaring lion, walketh about, seeking whom he may **devour**.” (KJV)

Q. Since God intends for us to keep His holy days, why wouldn’t He make it “simple and easy” for us to know when they are to be kept?

A. HE DID! However, today we have **many who claim to know better than God** how to determine, and, therefore, when to keep, His holy days. We also have many who claim to be Jews (of one type or another) and are not (See Revelation 2:9 and 3:9). We have many who claim their ideas, their computer programs, and their charts are better than God’s long-established system. In short, they want to do “that which is right in their own eyes” (Judges 21:25) and to convince others to follow them as well.

Q. OK. What is God’s simple and easy system?

A. The same system that He gave to Moses -- **to proclaim** to the people.

Leviticus 23:1-2: “And the LORD spake unto Moses, saying, Speak unto the children of Israel, and say unto them, Concerning **the feasts** of the LORD, **which ye shall proclaim** to be holy convocations, even these are my feasts.” (KJV)

God gave a system to Moses (and therefore to the Levites and priests). He gave a system that did not involve any method of observation. Why? Read Deuteronomy 4:19.

Deuteronomy 4:19: “And lest thou lift up thine eyes unto heaven, and when thou **seest** the **sun**, and the **moon**, and the stars, even all the host of heaven, shouldest be driven to worship them, and serve them, which the LORD thy God hath divided unto all nations under the whole heaven.” (KJV)

God knew the heart and mind of Israel. He knew the Israelites would soon seek to do as the neighboring nations were doing by worshiping the heavenly bodies. Therefore, God gave them (through Moses) a system that **would require telling the people** when to observe the feasts. If the people could **SEE the moon** every month, and determine for themselves when to keep the feasts of God, there would be absolutely NO NEED to “proclaim” anything to them. **That is the simple and easy system of God.** But now we see those who think they know better than God, and those who seek to destroy the Church with their own methods.

- Q. If we are not to look and SEE, that only leaves methods of calculation. Since no methods of calculation are actually shown in Scripture, isn't this the same thing as the Oral Law?
- A. No. The Oral Law came much later, primarily with the Pharisees. The Oral Law is what later became the religion of Judaism, which is very different from that which God gave to Moses (refer to Dr. Ernest Martin's article *Is Judaism the Religion of Moses*). When we carefully study the Oral Law and Judaism, it is very plain to see that **the Calculated Hebrew Calendar has NO earmarks of Judaism!** It has NO complex rituals, symbols, nor ceremonies! It has NO mysticism, nor substitutions and comparisons of numbers, letters, and words! It is NOT from the Oral Law, nor from the Pharisees, nor from Judaism!
- Q. But why don't the Scriptures give more details?
- A. There are many things, which the priests and Levites did, which we have few details of, or instructions for, in Scripture. The calendar is not the only thing in Scripture lacking in detail.

Q. Can you give any examples?

A. Yes. There are no recorded detailed instructions for the performance of circumcision, burial, marriage, the procedures for Sabbath services, copying of Scripture, nor the canonization and the preservation of the Scripture. We are lacking complete details for certain aspects of sacrifices. There is no record of hundreds of statutes and judgments. What authority did John the Baptist have for baptism? The calendar is not alone. In order for the calendar to function, however, detailed records had to be kept by those who had the God-given talent and the responsibility to do so.

Q. What about the Karaites and their calendar?

A. The so-called Karaite calendar is not a calendar at all. It is a method that is superimposed on existing calendars. **The Karaites claim** to reject the Rabbinical Oral Law and to be strictly scripturalists, **yet they admit to oral laws** of their own (in their own writings). **They claim** to be Jewish, **yet they have denied this** in their own writings many times in history. Furthermore, **they admit** to having appropriated some of their own beliefs and customs **from the early Muslims**, from whom they have acquired the observance of the crescent new moon. The Karaites make a big deal of the “green ears” of barley for the wave sheaf, yet they deny that Jesus is THE CHRIST and that he was the fulfillment of THE WAVE SHEAF accepted by God on the morning after his resurrection. **They neither observe the 14<sup>th</sup> Passover** (the same as most of Judaism), nor do they observe The Passover as Christ and the apostle Paul taught. Their doctrines are openly anti-Jewish and anti-Christian. So, why should the Churches of God consider following the Karaite calendar?

Q. But isn't it true that methods of observation are more accurate than methods of calculation. Doesn't calculation also have many complex rules?

A. All methods of observation are not accurate, consistent or predictable (more details at a later date). God gave a **simple set of rules** for a very complex orbital system. The Calculated Hebrew Calendar rules are **not at all complex** for those who have the ability to keep detailed records and to work with **simple arithmetic**. It seems that most people cannot do that – another very good reason not to leave it in the hands of the people.

## General Information

Those who use and teach other methods for determining the calendar have one thing in common – to lead the people of the Churches of God away from correctly keeping the 14<sup>th</sup> Passover (and all of the “appointed times”). They all **accuse** (who is “the accuser”? Revelation 12:10) the Calculated Hebrew Calendar of having been devised by man and of having “rules of man” as its basis. Nothing could be further from the truth. They all point to Hillel II as the “inventor” of it. NOT TRUE! Hillel II simply published rules that had been in use since the time of Daniel, a period of over 800 years. More on Hillel in Part 3.

NOTE: They **wish to ignore** the records of history that show the Calculated Hebrew Calendar was in use during the 5<sup>th</sup> century BC. (See recently published information by Carl Franklin.) They also **wish to ignore** the accuracy and predictability of the Calculated Hebrew Calendar, boldly stating that God would have it some other way. They boldly state that God wouldn’t have the calendar to be **predictable!** They seem to conveniently forget that the Bible clearly shows that God has planned everything in minute detail, and in advance. To support their belief, they **seek to change** the meaning of basic scriptures that support the calendar and **take out of context** many scriptures that deal with how we are to plan our daily lives. Again, they seem to conveniently forget Revelation 22:18-19.

The earth’s orbit apparently had been changed before and during the days of Hezekiah. It seems the calendars of all nations had become inaccurate. Daniel’s own words suggest that God gave to him and his three friends the understanding of a calendar to fit a new and changed year and month system. We don’t know exactly what was different, but something was different.

Daniel 2:21: “And he changeth the **times** and the **seasons**: he removeth kings, and setteth up kings: he giveth wisdom unto the wise, and knowledge to them that know understanding.” (KJV)

The Hebrew in this verse is from the Aramaic. A literal translation would be: “**He has changed (or altered) the years and the appointed times...**” Therefore, GOD GAVE a simple set of rules for a very complex

orbital system. God gave rules that have stood the test of time for 2500 years. We **have the records of history and astronomy to prove it**. More on these later.

The Karaites say they are waiting for **supernatural** signs in the heavens to show them whether or not they have been keeping the correct days. By their own words, they admit they are not concerned about God's penalty if they are not keeping His days **correctly at the present time**. This should be a huge red flag for anyone in the Church of God. Therefore, consider the following verse and my comment:

Genesis 1:14: "And God said, Let there be lights in the firmament of the heaven to divide the day from the night; and let them be for **signs**, and for **seasons**, and for days, and years:" (KJV)

Signs can be **natural** or miraculous. Seasons should be correctly translated from the Hebrew as "appointed times." **Natural** signs in the heavens throughout history already have proved the Calculated Hebrew Calendar. An example is, **the two total eclipses of the moon over Jerusalem in the year of 5 BC**. They were **announcing the birth of Jesus**. These coincided with the **calculated 15<sup>th</sup>** of Nisan and the **calculated 15<sup>th</sup>** of Tishri. As you probably already know, both of these dates are "appointed times." That was a year that had **one postponement**. Those eclipses would not have been on the 15<sup>th</sup> of either month without that postponement. The Calculated Hebrew Calendar has been carried down through time by a few faithful Levites (not by the Pharisees and not by Judaism) -- so that a few people, called and chosen by God, could keep the proper Passover at the proper time.

There have been many attempts to destroy the Calculated Hebrew Calendar, just as there have been many attempts to destroy the Bible. Look at Sunday vs. Sabbath. Look at Easter vs. Passover. Now look at **19 different ways vs. the proper 14<sup>th</sup> Passover** as calculated by long-established calendar rules. Consider this: maybe **there is something very right** with the Calculated Hebrew Calendar, and maybe **that is why Satan** (with the help of many misguided people) **is trying so hard to prove it wrong**. The Calculated Hebrew Calendar may be in the midst of its most severe test. "Prove all things; Hold fast that which is good."

## Part 2 – Scriptures Used

As I stated in Part 1, this is a work-in-progress. This section includes some scriptures used (on both sides of the issue) and information about them. Later, both the list and the information and the comments will grow.

Genesis 1:14: “And God said, Let there be lights in the firmament of the heaven to divide the day from the night; and let them be for **signs**, and for **seasons**, and for days, and years.” (KJV)

Jeremiah 10:2: “Thus saith the LORD, Learn not the way of the heathen, and be not dismayed at the **signs of heaven**; for the heathen are dismayed at them.” (KJV)

**SIGNS** – They can be either **natural** or miraculous. The sun and the moon together yield solar and lunar eclipses. They terrified the heathen. Eclipses and other **natural** astronomical phenomena do play a part in the proofs of the Calculated Hebrew Calendar.

**SEASONS** – Hebrew “moed” (Strong’s # 4150). It is generally understood that this word is more properly translated “appointed times” and specifically refers to the feasts of God.

Psalms 81:3: “Blow up the trumpet in the New Moon, in the **time appointed**, on our solemn feast day.” (**King James**).

Psalms 81:3: “Blow the trumpet at the time of the New Moon, at the **full moon**, on our solemn feast day.” (**NEW King James**)

**TIME APPOINTED** and **FULL MOON** – Both come from the Hebrew word “kece” or “keceh” (Strong’s # 3677). This scripture is used to show that the feasts on the 15<sup>th</sup> of the first and seventh months are to be **at the time of the full moon**.

Opponents of this use the King James Version (shown above) to “prove” that it is correct to translate “kece” as “time appointed,” and that it has nothing to do with the full moon. They **claim** that the New King James Version (also shown above) is **not** correct in its use of “full moon.” They **fail to tell you** that there are only a few versions (four that I found), which translate as “time appointed,” and many (nearly thirty that I found), that translate as “full moon.” They **fail to tell you** that most modern scholars of



Hebrew grammar and syntax agree that the **proper** rendering of “kece” is **full moon**.

These same opponents point out that the Calculated Hebrew Calendar does not coincide **perfectly** with the astronomical full moon about 50% of the time. They are arguing against a false premise. They **again fail to tell you** what the Calculated Hebrew Calendar **actually does**. **THE CALCULATED HEBREW CALENDAR DOES PROVIDE FOR A FULL MOON ILLUMINATION OVER 99%, DURING A PORTION OF THE 15<sup>th</sup> DAY, AND IT DOES SO OVER 80% OF THE TIME.**

NOTE: These same opponents who just pointed out the “50% problem” forgot to tell you that it also applies to them. But since they deny the need to keep the feasts near the full moon, they don’t care that the moon’s illumination can often fall below 95% (two days after full moon), and can sometimes fall below 92% (three days after full moon). Their method averages two or three days after the full moon.

Psalms 104:19: “He appointed the **moon** for **seasons**: the sun knoweth his going down.” (KJV)

MOON – Hebrew “yareach” (Strong’s # 3394). The celestial orb in the sky.  
SEASONS – Hebrew “moed” (Strong’s # 4150) meaning “appointed times.” The **moon** is the **only** object used to determine when the appointed times are to begin, because the **sun** is the **only** object used to determine when the days are to begin. This is clearly confirmed by the syntax of the Hebrew in this verse. Syntax is the way in which words are put together to form phrases or clauses.

Daniel 2:21: “And he changeth the **times** and the **seasons**: he removeth kings, and setteth up kings: he giveth wisdom unto the wise, and knowledge to them that know understanding:” (KJV)

TIMES – From Aramaic meaning “years.”

SEASONS – From Aramaic meaning “appointed times.”

Daniel lived shortly after the days of Hezekiah. During the days of Joshua and during the days of Hezekiah, the Bible records two events that had major effects on the orbit of the earth. **Daniel is telling us that because God had changed (or altered) the years and the appointed times**, a new method was necessary to determine “appointed times.” It is interesting to

note that **accurate and provable** dates of historical events and astronomical phenomena began approximately in this same time period.

Exodus 12:2: “This **month** shall be unto you the beginning of **months**: it shall be the first **month** of the year to you.” (KJV)

Deuteronomy 16:1: “**Observe** the **month** of Abib, and keep the passover unto the LORD thy God: for in the **month** of Abib the LORD thy God brought thee forth out of Egypt by night.” (KJV)

NOTE: In addition to Psalms 81:3, two other verses are the focal-point scriptures of the calendar problem, Exodus 12:2 and Deuteronomy 16:1. I said earlier, **the opponents of the Calculated Hebrew Calendar seek to change the meaning of the basic scriptures that support the calendar and twist them to say something different.** So, read on.

MONTH – From Hebrew word “chodesh” or “hodesh” (Strong’s # 2320) and is translated as “month” or “new moon.”

OBSERVE – From Hebrew word “shamar” (Strong’s # 8104). This word is used 468 times and is translated as: “keep, preserve, take heed, observe, or watch” – all of which have the basic meaning “to guard or to protect.”

Opponents of the Calculated Hebrew Calendar **claim** the word “month” should be translated as “new moon” in these verses. They point out that most definitions of “chodesh” state that the word is usually translated as “new moon” and by extension is translated as “month.” They **fail to tell you** that the word “chodesh” is used 283 times in 225 verses, and that it is translated as new moon in **only** twenty (20) verses. They **fail to tell you** that the Hebrew grammar, syntax, and the context of these two verses will **ONLY ALLOW FOR** the use of the word “month.” In other words, they **fail to tell you THE TRUTH!**

Opponents of the Calculated Hebrew Calendar **claim** the word “observe” should be translated as “watch” or “look at” or “look narrowly at.” Since they would have changed the word “month” to “new moon,” the verse would now read: “**Look at the new moon** of Abib, and keep...” It is true that the word “shamar” **can** be translated as “watch” or “look at.” But they **fail to tell you** that it **ONLY can be done** where the Hebrew grammar, syntax, and context allow it. Once again, they **fail to tell you THE TRUTH!** The only proper meaning of “shamar” in this verse is to “keep,” or to “observe,” or to “celebrate.”

Now for one more major point concerning Exodus 12:2 and Deuteronomy 16:1. Even though now it should be obvious that the translation of these two verses **should stand** as given in the majority of Bible translations, many of the opponents of the Calculated Hebrew Calendar **claim** the **words** they prefer **can be** SUBSTITUTED. They are desperate to make the verse read as follows: “**Look at the new moon. . .**” They want “Bible authority” for observing the crescent moon! The following is what they **fail to tell you**. METHODS OF SUBSTITUTION come directly from the Pharisees, from Judaism, and from the MAGIC OF THE KABBALAH. In Judaism, there are many methods of substitution, all supposedly aimed at discovering **hidden** information. Enough said? Again and again, they **fail to tell you** THE TRUTH!

Deuteronomy 4:19: “And lest thou lift up thine eyes unto heaven, and when **thou seest** the **sun**, and the **moon**, and the **stars**, even all the host of heaven, shouldest be driven to worship them, and serve them, which the LORD thy God hath divided unto all nations under the whole heaven.” (KJV)

Although God was warning them not to do so, the tribes of Israel wanted to follow methods of other nations. Use of the **crescent moon** to calculate the calendar **is** a method **of other nations** such as the Chaldeans, Egyptians, Babylonians, and today’s Muslims.

Leviticus 23: 1-4: 1 “And the LORD spake unto Moses, saying, 2 Speak unto the children of Israel, and say unto them, Concerning the **feasts** of the LORD, which **ye shall proclaim** to be holy convocations, even these are **my feasts**. 3 Six days shall work be done: but the seventh day is the sabbath of rest, an holy convocation; ye shall do no work therein: it is the sabbath of the LORD in all your dwellings. 4 These are the **feasts** of the LORD, even holy convocations, which **ye shall proclaim** in their seasons.” (KJV)

Moses was told by God to announce or **proclaim to the people** when to keep the feasts

As we saw earlier, Daniel was inspired to write about a “slight change” in the earth’s orbit (and possibly the moon’s orbit), which now required a new calculation method. I believe that God revealed to Daniel the most recent “rules” necessary for the calendar. I believe the calendar has been preserved and passed down just as the Bible has been preserved and passed down – for the Church that Christ said He would build.

Later, in Part 3, I intend to show how the Calculated Hebrew Calendar has been in use in its present form from the days of Daniel, and I will show that **it is in harmony with astronomy and mathematics**. As I said, this work is to give more information to those who do believe in the Hebrew Calendar -- that **it is correct**, and that it is OF GOD!

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COMMENT. Since Part 1 and Part 2 were first written, more than a year has elapsed. It was my intent for Part 3 to become a chapter in which many specific things from astronomy would be shown. As you will see in Part 3, the focus has been somewhat redirected. In time, we also will get to some of the astronomy specifics. It now looks like that will become Part 4.

The focus of Part 3 will show why this study is important. It is going to give a simple look at astronomy, and the type of result that can be seen from its use. It will begin to show why the opponent methods of calendar calculation are NOT from God. And finally, Part 3 is going to give **solid scriptural proof** of the Calculated Hebrew Calendar. We will show scriptures, which to my knowledge, have not been used before in defense of the calendar! We will show scriptures that will leave NO DOUBT!

## Part 3 – Specific Points that Prove the Calendar

This section was originally intended to cover a few points in greater detail. Because so many things are now coming to light that prove the Calculated Hebrew Calendar, I honestly don't know which ones to cover first.

This is a work-in-progress. As my study continues on this subject over time, I find that my focus is redirected. Over the past few months, I have asked myself questions. What can I show the brethren? What is sufficiently thorough and, yet, simple? I have already covered some of the main scriptures: are there more that need to be covered? Maybe. Can I make charts or tables that show things, without being too technical? Maybe. How can I do a better job of putting myself in the brethren's shoes? This is where we shall begin.

My family has been in the church since the 1950s. Like most of you, I knew nothing of a so-called calendar problem until recently, because there was no calendar problem in the Churches of God until recently. Most of this began in the mid 1980s and has intensified since then.

At the Feast of Tabernacles in 1996, I asked the minister in charge a question during a Bible study. Totally unaware of a "calendar problem," I very innocently asked, "Why did we have a full moon the evening **before** the Feast began?" I was quickly informed that the Feast **always begins** on a full moon. I said, "But sir, **there was an eclipse** that evening as the moon was rising, and you can only have an eclipse on the full moon." Again, I was quickly informed that it might have been the case here in America, but that would not have been the case in Jerusalem. I was told just to send for the calendar tapes, because they would explain the whole subject in detail. So I sent for them. They did explain many things, but they didn't answer my question. Does this sound familiar? The full answer to the 1996 problem will be given in a later installment. It does have an answer!

The calendar: **this is a subject that is dividing the Church.** It is dividing families, congregations, and organizations. This is a subject that

affects **our salvation**. Why? Because it is the one item that is used to determine **when** to keep all of the feast days. Passover and Atonement are especially important! Many of you don't seem to realize **this is affecting all of the Churches of God**. It is! You are seemingly unaware that this affects you personally. It does! **Many of you fail to see that Satan is actively "seeking whom he may devour."** **HE IS!** Wake up! It is not necessary to actually understand the calendar. However, **it is necessary to understand the scriptures that prove it**. It is also necessary to understand the errors of Satan, and the scriptures that he misuses against it. "...rightly dividing the word of truth. But shun profane and vain babblings..." (2 Timothy 2:15-16).

So I put myself in your shoes and started examining things. But instead of saying that the calendar is wrong, I asked myself, **"How can I prove whether or not it is right?"** After all, that is the scriptural approach, isn't it? Let's see now. Does that scripture say to disprove all things, and throw away the things that are bad? And does another one say to search all of the secular writings possible to see whether these things are false? Do you begin to get my point? Instead of saying that the calendar is broken and we must "fix" it, I decided to take **an entirely different approach**. I decided to see if it would be possible to prove it correct by using astronomy! I decided to look into the heavens, as well as God's Word.

Astronomy! Oh, no, not that. God condemns that. That is satanic. Is that what some of you are thinking? You are thinking of the wrong word. You are thinking of the word astrology. Well, it's the same thing, isn't it? Wrong again. Use your dictionary! **Astrology is** the divination of the supposed influences of the stars and planets on human affairs and terrestrial events by their positions and aspects. **Astronomy is** the study of objects and matter outside the earth's atmosphere and of their physical and chemical properties. **Astronomy is a science** – like chemistry, physics, and biology. It is an exact science like mathematics. Astronomy is the study of the sun, moon, stars, and planets: the objects in the "heavens that declare God's glory..." (Psalms 19:1).

God even mentions **three** heavenly objects **by name** in the same verse in Job 9:9: "Which maketh Arcturus, Orion, and Pleiades, and the chambers of the south." The meanings of all three names have to do with the second coming of Christ. Arcturus is **a star** whose name means "He cometh." Orion, which is the brightest and most recognizable of all the **constellations**, means "a strong one, a hero, a giant," or "the coming prince." Pleiades is a

**cluster of stars** commonly known as the seven stars or the seven sisters, means “the congregation of the judge or ruler.” It could possibly refer to the seven churches of Revelation. Astronomy deals with part of God’s creation. (The definitions are from *The Witness of the STARS* by E.W. Bullinger.)

I am also aware of the need to keep things as simple and as non-technical as possible. Is that really possible? One way to find out is to start examining as many aspects of the Calculated Hebrew Calendar (CHC) as I can. I decided to look at a statement made by Carl Franklin about the percentage of illumination (the amount of light being reflected from the moon) on Tishri 15. He had published a table that showed the illumination figures for this present 19-year cycle. I decided to double-check it. His average came to 99.36%. But I found a mistake in his figures for one month: my average came to 99.45%. Not bad for a start. I decided to do a change in the method. Instead of using the illumination at the beginning of the 15<sup>th</sup> at sundown, I would take the average of the entire day of Tishri 15 for all 19 years. Wow! The average became 99.60%.

Another statement concerning illumination: it exceeds 99% and does so more than 80% of the time. How many of the years in the 19-year cycle that we just looked at were over 99%? The answer is 17 of them, or 89.47%. Things are getting better. Now, let’s look at some comparisons.

What is the illumination average for the Observable Crescent Moon Method? Performing the calculations for the same 19-year period, I came up with a figure of 97.88%. In a different cycle, I calculated all three methods. Here are those figures as copied directly from my work notebook.

Astronomical Conjunction	Hebrew Calendar	Observable Crescent
98.52%	99.31%	96.39%

**Maybe there is something right** with the Calculated Hebrew Calendar after all.

But wait a minute. The argument of the other calendar methods is not the high percentage of illumination. It is the **claim that there is no Scriptural evidence** for intercalation and for postponements. Ah, but wait another minute. Look back at the verses we covered in Part 2. The

opponents of the CHC continue to deny the truth of the scriptures which support the full moon. They continue to deny the truth of nearly all of the verses we examined. IF they can successfully eliminate the truth of these verses, then, supposedly, they have a case against the CHC. But when you stand firmly on the truth of these scriptures, they have no case, and the CHC stands! **The truth of each and every scripture is vitally important!**

Because the full moon is the exact time for lunar eclipses, they became the focus of my recent studies. Armed with fascinating information about the **two spectacular total eclipses in the year of 5 BC, which announced the birth of Christ**, I have continued to focus on eclipses. They have told a very interesting story. **They are the “signs” of Genesis 1:14.** They have been giving us messages throughout history. They will soon give us another message, similar to the one given in 5 BC. **Eclipses also confirm intercalation, the postponements, and the 177-day rule.** I will give more about these findings in a later installment. I am still discovering new facts. It is going to take some time to get them ready to present.

Since I just referred to a key scripture, Genesis 1:14, let me give an example to illustrate a point. One author said that this verse tells us “new moons are signs.” Please re-read Genesis 1:14. **It says nothing of new moons.** If the opponents of the CHC can get you off-track with **just one point**, they can say, “gotcha.” 2 Peter 3:16-17 warns us not to be led away by those who **twist** the Scriptures.

As my study is showing **how perfectly the CHC is proved by astronomy**, I am also seeing many key scriptures in a new light. Because the opponents of the CHC have made so much fuss about certain verses, some of us have sometimes doubted these same verses. If they can get us wrongly to believe **just one scripture**, they can say, “gotcha.”

Using astronomy, I have seen proof of intercalation -- the exact years dictated by the CHC -- and not by the equinox (as used by some opponents). By astronomy, I have seen proof of postponements. By astronomy, I have seen proof of the “177-day rule.” By astronomy, I have seen **systematic and orderly results**. “God is not the author of confusion (disorder).” Therefore, **God is the author of order**. The entire creation is proof of that. Yet, the opponents of the CHC would have you believe in methods that can be demonstrated by astronomy to be -- disorderly.



Some of the opponents would have you believe that God is orderly in everything except how He would have us determine the calendar. They would have you believe He doesn't want us to plan ahead, or to know in advance when to keep the holy days. And they quote verses to "prove" it. If you carefully examine the verses they quote, you will see the same twisting of Scripture, and the same taking out-of-context, which we saw earlier. Study! Avoid the "gotcha."

No study of the calendar would be complete without mentioning Hillel II. OK. Now that I have mentioned him, may we move on? I am almost serious. A tool of Satan is to get us to focus on the wrong thing – a diversion. Hillel II may be one of the right things to focus on, but Satan wants us to focus on the wrong aspect of him and wants to demonize him. (No pun intended.) Nearly all that is written about Hillel II is correct in one aspect: he did publish detailed information about the calendar. The dispersion of the Jews required, for the unity of holy-day observance, a correct, published, calendar.

Hillel II invented neither the rules of postponement nor intercalation. He didn't need to reconcile nor harmonize lunar months with solar years. He needed neither the equinox, nor the barley harvest, nor astronomy. He simply published the same information that had been in use for hundreds of years.

Hillel II made it possible to have unity without the aid of worldwide smoke signals, radios, telephones, or computers. **Hillel II made it possible, without any knowledge of the timing of an astronomical conjunction** or knowledge of the Jerusalem weather. He made it possible TO PROCLAIM with neither priests nor a calendar court, those to whom God had previously given the responsibility after God had given it to Moses. **Hillel II made it possible to continue in God's command NOT to observe the moon (Deut. 4:19).** Hillel II made it possible with nothing more than a pencil and paper and the ability to work with mixed whole numbers in simple arithmetic. No wonder they want to demonize him.

*The Calendar of Christ and the Apostles* by Carl Franklin shows how the Calculated Hebrew Calendar was in effect 300 years before Hillel II. Recently-published information by Carl shows that it was also in effect during the fifth-century BC, 800 years before Hillel II. I am finding mountains of evidence in astronomy that shows the perfection, harmony, and

**order** of the CHC, but the lack of those qualities in any other method. Eventually, I intend to have some video to show which will demonstrate some of my findings. The video will show, in a simple way, things that are otherwise quite technical.

Considering a supposed fifth-century BC problem, opponents point to the double-dated papyri from Elephantine Egypt. These have caused problems for the experts examining them because some of the dates cannot be reconciled. Our opponents would try to blame a defective CHC for the problem. Examining these papyri very closely, we have solved the “puzzle” and resolved the issue. Now we can say to our opponents, “Gotcha!”

To those who wish to criticize and accuse the CHC, **nothing will convince them**, not even the Scripture. At the beginning of this paper, I stated that I am not trying to convince them. They continue to deny the truth of nearly all of the scriptures we examined. They continue to **twist** the scriptures and to handle them **deceitfully** (2 Peter 3:16-17 and 2 Corinthians 4:2). They are as Satan was with Eve in the Garden of Eden. They say, as Satan said, “Well, I know God has said thus and such, but what He really meant was this...” As I said before, if they can get us to believe wrongly **just one scripture**, they can say, “gotcha.”

If you have stayed with me to here, maybe you will like where we are going next. A friend, who knew that I was working on this paper, asked the following question, “Did the items that Hillel II published include new postponement rules that prevented the Feast of Trumpets from falling on a Sunday, Wednesday, or Friday?” The answer is, “no and yes.” No, they were not new. Yes, they are the same ones to which Carl referred in *The Calendar of Christ and the Apostles*. Yes, they are the same ones that Carl has documented from the fifth-century BC. Yes, they are the same ones that **placed the eclipses of 5 BC** on the 15<sup>th</sup> of Nisan and the 15<sup>th</sup> of Tishri, so that the **announcements** of the coming Christ **were on holy days**. And, yes, in 5 BC they moved the Feast of Trumpets from Friday to Saturday. And, yes, they moved the Day of Atonement from Sunday to Monday.

**NOTE: The postponement of 5 BC was a change of only 48 minutes. But this was extremely important so that God could show His “signs” on the holy days.** However, the opponents would argue that God wouldn’t do that. He wouldn’t allow a “man-made rule” to move Atonement. **WAIT JUST ONE MINUTE! Whose** son was being

announced? **Whose** holy days are they? **Who** gave the calendar? **Who** gave the “**rules**” so that the timing of **this GREAT announcement** would be perfectly understood by those who were watching for it? (Yes, they were watching -- in that very year.) **Who** told Moses to proclaim? **Who** gave the rules to Moses, to give to Aaron, to give to the priests, to hand down until Hillel II? **Who did? God did!** Were they “secret”? No! Ancient records prove that at least some of them were public knowledge. Were they “closely guarded and protected?” For some of them, probably, yes. Incidentally, the main definition of the Old Testament word “observe” is to guard or protect or keep.

Regarding scriptures that support the calendar, let’s look at some which probably have not been used before and combine them with some which have been. Let’s try some **proper** “line upon line.” I am going to use several verses from the first chapter of Genesis and two from the second chapter. I have used the Revised Standard Version because it is accurate with the Hebrew in these verses.

Gen 1:5 ...And there was evening and there was morning, one day.  
Gen 1:8 ...And there was evening and there was morning, a second day.  
Gen 1:13 And there was evening and there was morning, a third day.  
Gen 1:19 And there was evening and there was morning, a fourth day.  
Gen 1:23 And there was evening and there was morning, a fifth day.  
Gen 1:31 ...And there was evening and there was morning, **the sixth day.**

Gen 2:2-3 And on **the seventh day** God [had] finished his work which he had made; and he rested on **the seventh day** from all his work which he had made.  
3 And God blessed **the seventh day**, and hallowed it; because that in it he rested from all his work which God had created and made. (RSV)

Notice the use of the definite article in Genesis 1:31 – it does not read as the preceding verses do. It is not “a” sixth day, but **THE** sixth day. It is similar, in importance, to **THE** seventh day. It is the preparation day! Now we will go on and look at some more scriptures concerning the Sabbath and the Day of Atonement. After that we will come back to the subject of **THE** sixth day.

Ex 31:12-18  
12 And Jehovah spake unto Moses, saying,  
13 Speak thou also unto the children of Israel, saying, Verily ye shall keep my sabbaths: for it is a sign between me and you throughout your generations; that ye may know that I am Jehovah who sanctifieth you.

14 Ye shall keep **the sabbath** therefore; for it is holy unto you: every one that profaneth it shall **surely be put to death**; for whosoever doeth any work therein, that **soul shall be cut off** from among his people.

15 Six days shall work be done, but on **the seventh day** is a sabbath of solemn rest, holy to Jehovah: whosoever doeth any work on **the sabbath day**, he shall **surely be put to death**.

16 Wherefore the children of Israel shall keep **the sabbath**, to observe **the sabbath** throughout their generations, for a perpetual covenant.

17 It is a sign between me and the children of Israel for ever: for in six days Jehovah made heaven and earth, and on **the seventh day** he rested, and was refreshed.

18 And he gave unto Moses, when he had made an end of communing with him upon mount Sinai, the two tables of the testimony, tables of stone, written with the finger of God. (RSV)

Lev 23:26-32

26 And Jehovah spake unto Moses, saying,

27 Howbeit on the tenth day of this seventh month is **the Day of Atonement**: it shall be a holy convocation unto you, and ye shall afflict your souls; and ye shall offer an offering made by fire unto Jehovah.

28 And ye shall do **no manner of work** in that same day; for it is a **day of atonement**, to make atonement for you before Jehovah your God.

29 For whatsoever soul it be that shall not be afflicted in that same day; **he shall be cut off from his people**.

30 And whatsoever soul it be that **doeth any manner of work** in that same day, **that soul will I destroy from among his people**.

31 Ye shall do **no manner of work**: it is a statute for ever throughout your generations in all your dwellings.

32 It shall be unto you a sabbath of solemn rest, and ye shall afflict your souls: in the ninth day of the month at even, from even unto even, shall ye keep your sabbath. (RSV)

Something is clearly shown here concerning the weekly Sabbath and the Day of Atonement. There was a severe penalty for improper observance. **That penalty was death.** The conclusion is obvious. **The proper observance of one** must not conflict with **the proper observance of the other**. The people in ancient Israel needed to be concerned about physical death. We need to be concerned about eternal death, or **salvation**.

There is one more Scripture selection to examine and evaluate. I had you look at the verses in Genesis 1 and 2 for a reason. We all know the importance of the Sabbath Day, in that it is the seventh day. However, not everyone knows the importance of the definite article, the word "THE." It is

a word, which when used, changes something from being general to being **very specific**.

THE seventh day is the **only** day for the weekly Sabbath. Likewise, THE Sabbath **only** is used in reference to the weekly, seventh-day Sabbath. It is **never** used with any other Sabbath or holy day. The annual Sabbaths are referred to as “a Sabbath of rest,” or “a Sabbath to the Eternal,” or “holy convocations,” **but never are they referred to as THE Sabbath**. As an aside, this is one of the proofs for beginning the count of 50 days to Pentecost as given in Leviticus 23:15.

As we saw in Genesis 1:31, God’s word shows a change in how the sixth day of creation is described. The first five days were general. God is very specific in verse 31 by calling it **THE sixth day**. I wonder why He did that? Well, that is because God does plan ahead. I say that “tongue in cheek” because of opponents who claim we don’t need to plan ahead. The next time “THE sixth day” is used in the Bible is in Exodus 16. Why there? We will soon see.

Ex 16:5 And it shall come to pass, that on **the sixth day** they shall **prepare** that which they bring in; and it shall be twice as much as they gather daily.

Ex 16:22-23 And it came to pass, that on **the sixth day** they gathered twice as much bread, two omers for one man: and all the rulers of the congregation came and told Moses.

23 And he said unto them, This is that which the LORD hath said, To morrow is the rest of the holy sabbath unto the LORD: bake that which ye will bake to day, and seethe that ye will seethe; and that which remaineth over lay up for you to be kept until the morning.

Ex 16:29-30 See, for that the LORD hath given you **the sabbath**, therefore he giveth you on **the sixth day** the bread of two days; abide ye every man in his place, let no man go out of his place on **the seventh day**.

30 So the people rested on **the seventh day**. (RSV)

God gave THE sixth day as **THE preparation day**. He set THE sixth day on a par with THE seventh day. He gave THE sixth day a **specific purpose**. We know that He has never changed the seventh day from its designed purpose. Malachi 3:6 says: “For I am the LORD, **I change not**; therefore ye sons of Jacob are not consumed.” We have seen that **God set apart the sixth day, and specified its purpose** at creation. God set apart the seventh day as the **only** day for the Sabbath Day (Gen. 1 and 2, Ex. 16). **In these VERY SAME SCRIPTURES, God set apart the sixth day as the ONLY day for the preparation day**. God did not say, “I will make an

exception and change the preparation day to the fifth day on years when Atonement would otherwise fall on Friday.” We have presented **Biblical, Scriptural proof** from the very same verses that gave the seventh-day, weekly Sabbath!

Many of our brethren in the Churches of God have wanted **Scriptural proof of the Calculated Hebrew Calendar. Now you have it!** Many of our opponents have been hoping that solid Scriptural proof **could never be** provided. Sorry to disappoint them. Use the proof profitably, or lose it! **“Study, show yourself approved...” “Grow in grace and knowledge...”**

Revelation 3:22

“He that hath an ear, let him hear what the Spirit saith unto the churches.” (KJV)

Ezekiel 12:2 “Son of man, thou dwellest in the midst of a rebellious house, which have eyes to see, and see not; they have ears to hear, and hear not: for they are a rebellious house.” (KJV)

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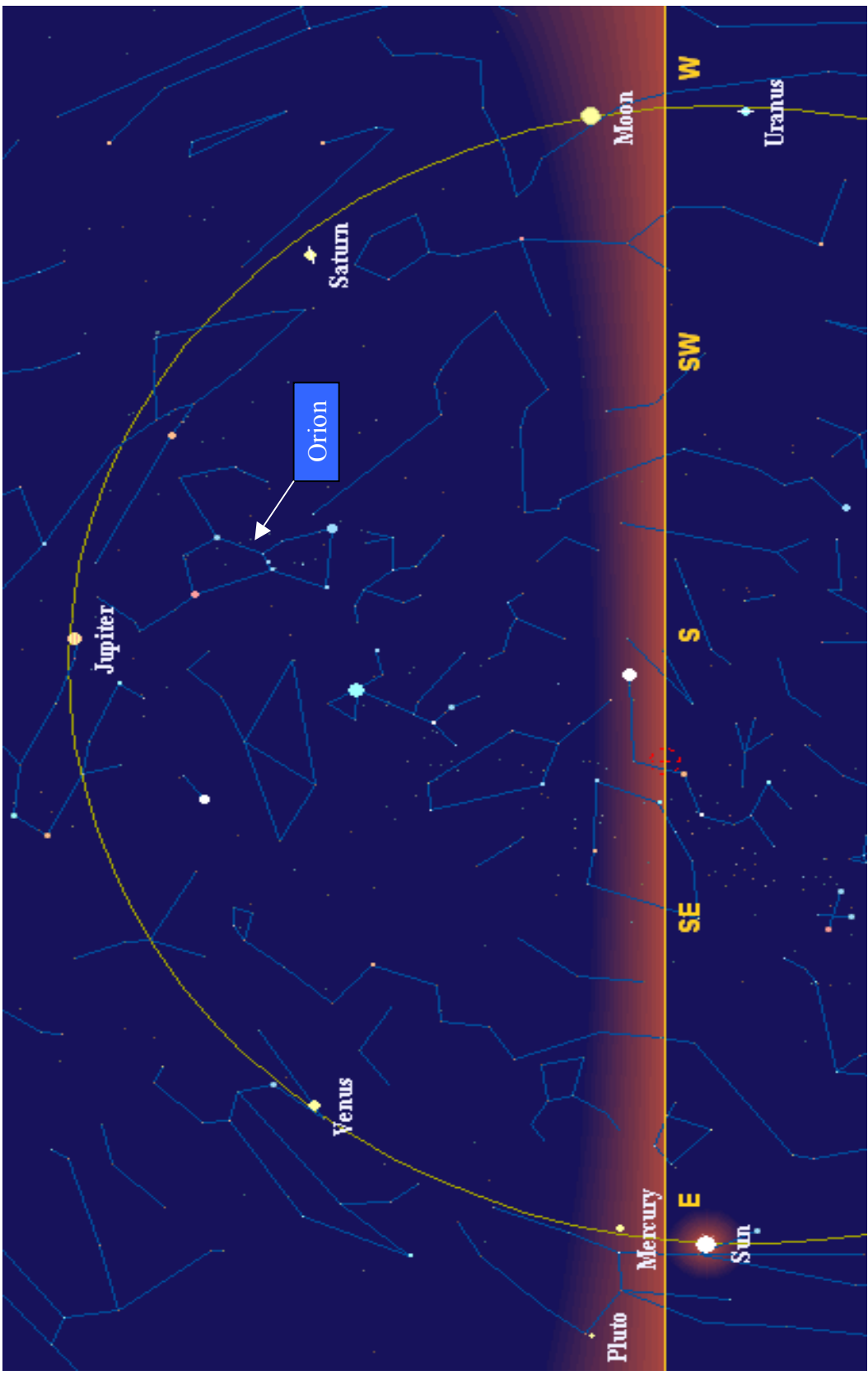
The picture on the following page is an introduction to Part 4. It is the view of the early morning sky in Jerusalem shortly after the conclusion of the GREAT eclipse of Tishri 15, just before sunrise, in 5 BC.

Four (of five) visible planets and the setting moon can be seen. Mars is missing – fulfilling scriptures from the books of Luke and Isaiah.

The “king” planet (Jupiter) is directly above the mighty, upraised arm of the “the coming prince” (Orion). Together, they are in “the highest” part of the southern sky. That was a small portion of the messages the Magi witnessed. There were many celestial messages during that time period.

Luke 19:38 “Saying, Blessed be **the King** that cometh in the name of the Lord: peace in heaven, and glory **in the highest.**” (KJV)

The early morning sky on Tishri 15, 5 BC -- as seen from Jerusalem, announcing Christ's birth.



(Credit is given to: Planetarium Gold for Windows.)