

Preface

This is evidence of supernatural relations in Time and space. Time is a place for maximum expression of creation, as well as a means of expression for its Creator.

The Cosmic Clock “tells time”. It does this with the orbits and motions of the sun, moon and earth. It is a scientific fact that this calendar exists, though that doesn’t mean the calendar expresses only mathematical attributes. This calendar also manifests the commentary of God on his Creation, a commentary both poetic and prophetic.

In this work, that calendar is presented, and it’s just in time for the end of the age of empires. That’s what this book is about.

We face a conflict between natural order and a global machine. Truth and Lie. Light and Dark. That’s also what this book is about.

The Great Anniversary. The 2000th anniversary of the Crucifixion and Resurrection of Jesus Christ occurs in 2033. I hope to show why 33 AD is when Jesus died and rose again and why that anniversary is important.

2001 Year Jesus Alignment. The anniversary of Christ’s Atonement is also marked by unusual 2001 year astronomic and other chronological alignments. Many of these are chronicled here for the first time.

This work describes cycles of time, most of them defined by the eclipse calendar. These cycles bear witness to a poetic, artistic and loving God.

One of two conclusions must come very soon.

1) Technologists say we are approaching a permanent merger of man and machine.

2) This book says differently. It says the signs in sun and moon indicate we are approaching a “brief” tribulation, divine judgment, and the soon establishment of the Kingdom of God.

Which of those scenarios sounds more like doomsday to you? You don’t have to believe in either outcome to read this book. This work presents a true reality. Whether you give that reality one meaning or another is not up to me.

The truth is not mine. I write this like I sing songs, as best as I can. I don’t understand all that it means. But it’s clearly a song, one written by God, and sing it I must.

Synchronicities and resonances in cosmic cycles exist. The existence of these resonant cycles has been downplayed for three centuries by secular and religious authorities alike. It requires intelligence and courage from the reader to consider them. I don’t consider the subject a “downer”. Hope is better with honesty. Dignity matures under fire. If you

absolutely need reassurance that our world system will in order to be happy, a different book might be in order.

All of us are subject to cosmic laws and times, whatever we believe, and these laws and times largely derive from sun and moon. The Cosmic Clock of sun, moon and earth provides all notions of time. That Clock helps create story and history by allowing events to exist in time. True stories need events to be placed in relation to geography and calendar. Chronology is vital to story.

Time is defined by sun and moon. This common knowledge is taken for granted. We all know sun and moon provide all large measures of time, i.e. days, months, festival times, years and anniversaries.

They also create other measures of time, the details of which are unknown to most. Once facts of these calendars are properly considered, the lie that this is a “random universe” lie falls apart.

Of, course, any lost sheep can still bleat “Coincidence, coincidence” as they are surrounded by wolves, just as anyone can sneer “So what?” at a sunrise. May God bless the lost sheep too. May he save the mocker.

It’s not my duty to fix anybody’s worldview with some book. My duty is to present a phenomenon created by God and give him all the credit for that phenomenon. The facts are straightforward, and have been long ago been collected by many good researchers. I try and arrange these facts in a straightforward fashion.

This work presents some of the last great evidence of Intelligent Design before the Tribulation. Not much remains to be presented, at least from me. Convincing more “experts” is not my job. We are approaching a deadline.

It’s not exactly the end of the world that rapidly approaches, but the end of history. The Bible says the tribulation lasts seven years, and it hasn’t showed up as of this writing.

The Bible also says the world (complete with time and space and sun and moon) lasts a full thousand years after Jesus comes back. But that’s a whole other story, one you probably need to hear. The physics of that story are actually pretty reasonable.

But if it absolutely freaks you out to think we may only have seven or ten years left in this messy world, by all means, I suggest you stop reading now, and dismiss this work.

But in the real world, people take real deadlines seriously. And when they do, revival and restoration is possible. A turning away from the global machine and towards love and

nature and God might do us good. Such revival might even slow the inevitable. Who knows? I pray this work brings hope. No matter what, I have tried to do my job.

The tribulation will not last forever. There is a better day coming. For now, I encourage everyone to stay the course of courage, decency and faith. Finish strong in love. How does one pull that off? I put my faith in Jesus Christ. He is the author of this story. He can save us out of it. You may have some other belief.

I don't use AI to write or design my work. I draw my own maps with a pen and paper and a bendable ruler. I write my own sentences and edit my own paragraphs.

I also use tons of NASA maps as well, designed by the late Fred Espenak and Jean Meuss. I highly recommend buying their Five Millenium Canon of eclipses. They are also publicly available at the NASA website.

The Cosmic Clock is like a song or poem

The Cosmic Clock is like a good piece of music. I don't want to hear anybody going on trying to explain the meaning of Beethoven's 7th Symphony or the Eagles "Hotel California", but I love to hear those pieces of music, and I know someone wrote them. That's all I'm doing here. This isn't my song. It's not my music. But I can play it for you as best as I have heard it. I can maybe even try and outline some themes in the material, like empire, betrayal, personality and freedom. At the least, I can present the evidence that these are not random noises but rather, well-constructed pieces of music with obvious authors.

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The Fundamental Parts of this Book

Short summaries of the main themes of this book.

- 1) We approach the 2000th Anniversary of Jesus Crucifixion and Resurrection in 2033.
- 2) This time is marked by the resolution of many Biblical cycles. Millennial, generational and Jubilee cycles all reach important milestones.
- 3) Our time is also marked by a tremendous 2001 year cosmic re-alignment with conditions present at the time of Christ.
- 4) The eclipses of our time (as well as the resolution of so many cycles) point to impending Tribulation, and advent of a Seventh Millenium.

- 5) AI is a proof of our late position in time. I will summarize certain riddles.
- 6) A Basic comprehension of History can be achieved with a short study of empire. A unified world empire is the last act of history, and it is a short act.
- 7) To prove the uniqueness of our current position in the Cosmic Clock, I will document several elements.
- 8) Synchronicity. Certain profound patterns of synchronicities demand consideration.
- 9) Solar Eclipses themselves are the greatest synchronicity in nature.
- 10) The Cycles of Solar Eclipses are so unusually synchronistic in design that they essentially prove the existence of God.
- 11) Solar eclipses also help create important long-range measures of time.
- 12) Solar eclipses are fundamentally ominous in nature, and seem to comment on elements of empire, including their rise and fall.
- 13) Interesting eclipses and crosses of the 20th Century.
- 14) Eclipses from 2015 to 2034.
- 15) American eclipses from 1492.
- 16) All world eclipse Crosses from 993 AD.
- 17) I will do a study of maximum expression: personalities in eclipses.
- 18) I include an interesting appendix with my short biography, synchronicities in modern personalities, various odd number riddles, and other unusual tidbits.

Portions of this material appeared in my prior book, *Eclipse Witness: Supernatural Patterns in the Cosmic Clock*. Some does not. I highly recommend getting that first book, as it contains the full consideration of the topic and the largest collection of these kind of eclipse groupings available.

Introduction to The Messaging System

Three separate calendars, the solar, lunar and draconic (eclipse) creates a many-layered messaging system. Without trying to explain all the messages, I believe This work essentially proves such a system exists. It presents examples and mathematical facts about the system. The proof comes in the preponderance of peculiarities, the overarching synchronicities, the landslides of coincidences and resonances from every direction. I pray this proof resonates with readers.

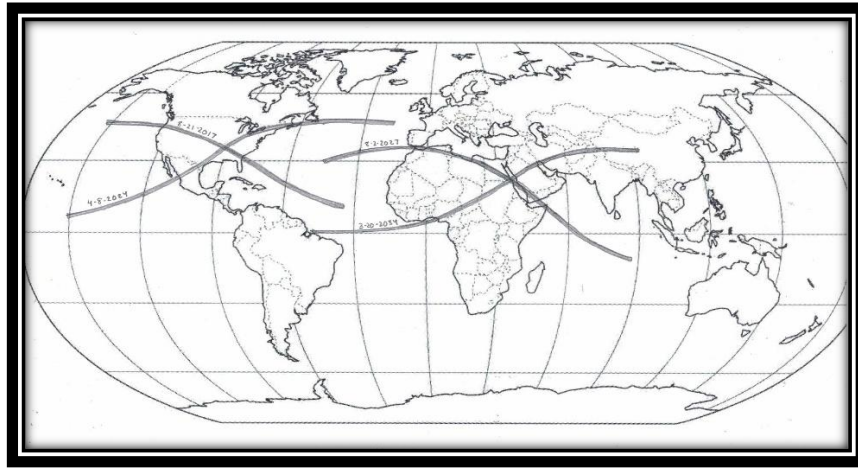
Part of the messaging system genuinely creates hieroglyphs. These hieroglyphs are created by simply mapping out the geographic lines of the shadows created by complete solar eclipses. This has been done since the 1700's. These thin shadow lines occur only when the moon periodically goes completely in front of the sun, which happens at certain

intervals on average about once every 9 months, though the world can go as long as almost two years without one.

These shadow lines are mapped and predicted well into the future. They have also reliably been mapped 4000 years into the past. There is nothing else in our reality that creates such connections. They connect times, events, empires and personalities, numbers and names. Once all cultures suspected naturally that solar eclipses were omens. I present evidence here that many individual solar eclipses are almost certainly ominous, and that they interact with other eclipses in interesting ways, as well.

Egypt and Little Egypt

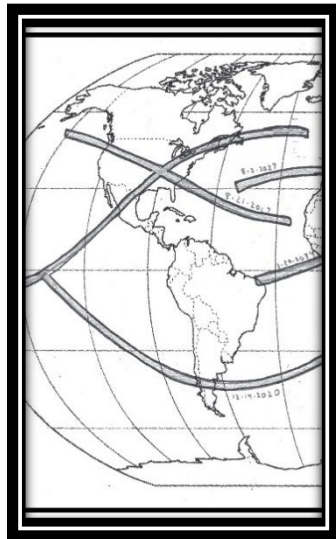
Here's two eclipse crosses. The Little Egypt/ Egypt Hepton Totals of 2017 to 2034.



Just looking at them, they seem a bit peculiar right off the bat, don't they? The eclipses shown are four of twelve total solar eclipses to occur on earth during a 17-year time frame.

- These two sets of eclipses make visible x's or crosses, each making almost exactly 66 degree angles on the horizontal plain.
- The apex of the first cross is over an area of the USA known as Little Egypt in Illinois, The apex of the second cross is over SE Egypt, near the Valley of the Kings.
- Ancient Egypt was the first distinct empire in human history and possesses perhaps the most profoundly mysterious ancient civilization of them all.
- America is the last distinct empire in history. Both America and Egypt featured culturally dominant, complicated, and scientifically advanced societies with a 400-year history of famous slavery. There's a pyramid on the dollar bill.
- The eclipses of the USA set occur 2422 days apart from each other.
- The eclipses of the Mideast set also occur 2422 days apart from each other.
- Halfway between each of those eclipse sets, at the 1211 day mark, total solar eclipses occur. One in the southern hemisphere, (one in the west and one in the east) .

- From the first American Eclipse in 2017 to the first Mideast Eclipse in 2027 is 3633 days. From the second American Eclipse in 2024 to the second Mideast Eclipse in 2034 is 3633 days.
- They are part of an eclipse Cycle called a Hepton, which almost no one knows about. It consists of 7 eclipses occurring 7 eclipse seasons (1211 days) and 7 eclipse years (2422 days) apart, all occurring *on the same day of the week* during a 21-eclipse year cycle.
- All seven of the eclipses (including Little Egypt and Egypt sets) occur on Mondays.
- Precisely between the two American Eclipses, at 1211 days from either eclipse, a total solar eclipse occurred in the western hemisphere-Monday Dec 14 2020. The sun was in eclipse while the Electoral College voted in the President and Vice-President of the United States, and the first covid vaccines were administered in the USA.

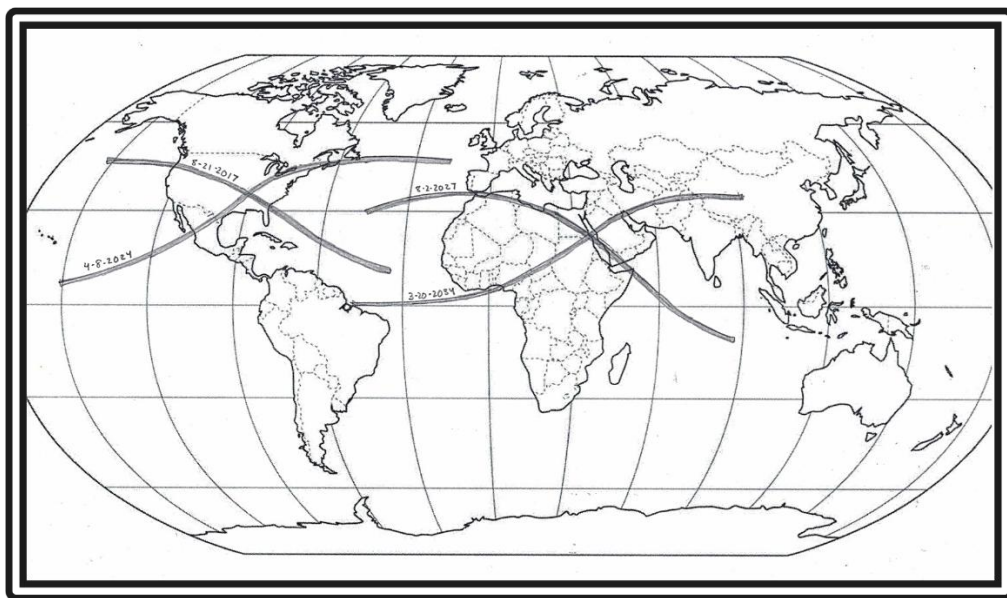


- The maximum eclipse of December 14, 2020 total solar eclipse occurred at 11:13 EST.
- The Electoral Colleges of the 50 states began their counting at 10 am EST Dec.14 2020, and were mostly done seven hours later.
- The first US COVID-19 vaccine was administered to nurse Sandra Lindsay at approximately 11:00 a.m. EST **on** December 14, 2020, at the Long Island Jewish Medical Center in Queens, New York. The historic moment was broadcast live as part of a national rollout.

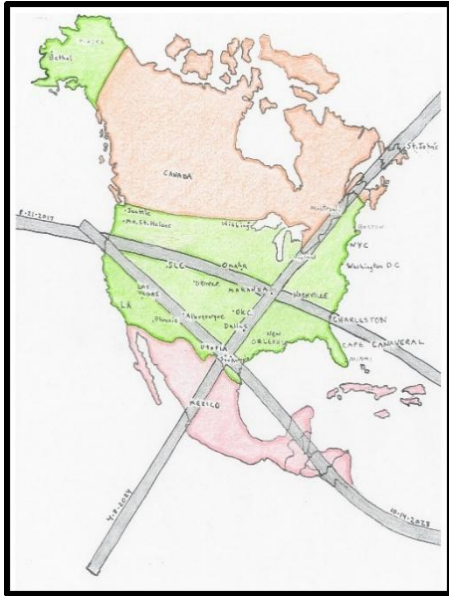
That's a tiny taste of the peculiarities. How does these peculiarities relate to reality, our world and your life? You decide.

Signs in the Sun and Moon

The Jesus Anniversary Alignment and the Approaching Seventh Millenium



Pictured: Egypt/Little Egypt Solar Eclipse Tavs 2017 to 2034



“There will be signs in the sun, moon and stars. On the earth, nations will be in anguish and perplexity at the roaring and tossing of the sea. People will faint from terror, apprehensive of what is coming on the world, for the heavenly bodies will be shaken. At that time they will see the Son of Man coming in a cloud with power and great glory. When these things begin to take place, stand up and lift up your heads, because your redemption is drawing near.”

Luke 21:25-28

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Signs in the Sun and Moon

This documents a convergence of astronomic and Biblical calendars around the upcoming 2000th anniversary of the Crucifixion of Jesus Christ, which almost certainly occurs in 2033.

What this work is not: This is not astrology. I don't ascribe powers to cosmic orbs themselves aside from light and gravity.

The Bible says that sun and moon were meant for, light, time and "signs". (Gen 1:4)

This is not "revelation" or prophesying. The calendars can be taken as revelatory or prophetic, but that's not up to me, and I did not create them.

I presume others worldwide are noticing similar patterns. These patterns of sun and moon are not random or obscure. Upon inspection, solar eclipses reveal an artistic messaging system that we have been unequipped to study until recently. Like a song or a piece of music, they resist explanations. They are to be considered, and either resonate or not.

I agreed to write them down.

I do find it odd that many of these topics haven't elicited more study, but there's lots of odd things in this world. There are also issues of not seeing the forest for the trees in the Land of the Trusted Experts. But then, there's always plenty of issues. I have them too.

Modern Science neglects solar and lunar calendars, and if you start bringing God or the Bible into it, most experts scatter. Of course, "experts" barely admit now that sun and moon appear the same size in the sky, and for generations, they flatly refused to even tell us, and they still don't tell our kids.

It's Not Astrology or Numerology.

Religious people, for their part, often view consideration of sun and moon suspiciously, presuming it to be astrological or distracting. It's true that the Bible forbids us to worship the heavens (and specifically sun and moon) themselves.

Don't Worship the Sun and Moon!

When you look to the heavens and see the sun, moon, and stars—all the stars in the sky—do not be led astray to bow in worship to them and serve them. The LORD your God has provided them for all people everywhere under heaven.

Deuteronomy 4:19 (NCST)

But that verse forbids worship, not study.

Consider the Heavens

David says, famously:

*When I consider your heavens, the work of your fingers,
the moon and the stars, which you have set in place,
what is mankind that you are mindful of them, and the son of man that thou visit him?*

Psalm 8: 3-4

and in Psalm 19 :

The heavens declare the glory of God;
the skies proclaim the work of his hands.
Day after day they pour forth speech;
night after night they reveal knowledge.
They have no speech, they use no words;
no sound is heard from them.
Yet their voice[Ⓜ] goes out into all the earth,
their words to the ends of the world.

Psalm 19 1:4

Jesus himself says of the signs of his coming:

“There shall be signs in the sun and moon”

Luke 21;24

And a few verses later he encourages us strongly to watch for the season of his return.

When the fig trees are already budding, you see and know for yourselves that summer is now near. So you also, when you see these things happening, know that the kingdom of God is near.

Luke 21: 30-31

Though Shalt Not Set Dates!!! Am I a Date Setter?

Aint got no date. But you can make your own judgments when you look at the facts. I do personally believe signs in the sun and moon are pointing to an impending Tribulation and Millenium. How impending? Well, imminent, it would seem. But that's all the more reason to be decent and moral and loyal and think about eternity too.

My belief is based on the resonance between a variety of evidence. Many signs and cycles are coming together around the 2000th anniversary of Christ's atonement like pieces of a puzzle, or as when a great piece of music draws towards a final chorus.

It's more than science or math or theology. You can decide if you agree.

I don't find such matters as Tribulations or Second Comings depressing, or a waste of time. Living with robot overlords and AI superintelligence deities in some mainframe for a million years? Now that sounds depressing! I'm a nature boy. This is nature stuff, and supernatural too.

When Jesus Christ sets up his Kingdom, the Book says there will be a thousand years of a clean earth and no devil. The devil wants you to think that's a fairy tale, while he plugs you into techno-hell. But if you agree in your heart that there is an Author who built this place, it is only reasonable to believe he can do what He wants with it. That's just the basic physics of the matter...and common sense. Take a look at how intricate these cycles are, and I believe you'll be even more impressed with God than ever.

At the beginning of that book, Sun and moon are created on a Fourth Day to give light, measure time and give signs. Time is the fourth dimension. Created on the fourth day.

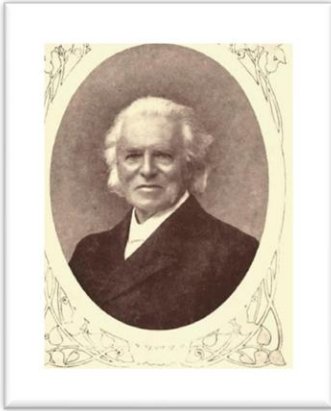
And God said, "Let there be lights in the vault of the sky to separate the day from the night, and let them serve as signs to mark sacred times, and days and years, and let them be lights in the vault of the sky to give light on the earth." And it was so. God made two great lights—the greater light to govern the day and the lesser light to govern the night. He also made the stars.

Genesis 1:14

Now and then, some folks show up who get very interested in time. The Chinese, Babylonians, Mayans, Israel and the Egyptians, The Romans. Here's a few of the more recent Men of Time.

Men of Time

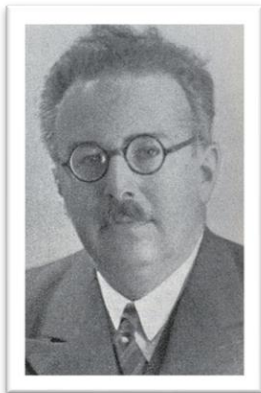
Isaac Newton and Johannes Kepler pioneered modern Biblical astronomy. Newton wrote a million pages about the Bible. My first TED talk will be only half a million.



The study reached its peak in the late 1800's with evangelist and researcher H. Grattan Guinness, a leading voice of the Third Great Awakening of 1857 to 1859, considered one of the most important evangelists of the 19th century. He was also a member of the British Royal Astronomers. Guinness documented peculiarities and synchronicities in the natural order and created tremendous studies of soli-lunar cycles, revealing relations to History and Bible Prophecy.

He was an heir to the Guinness brewing fortune who turned his back on fortune to serve the Lord, going so far as to preach against the evils of alcohol on the steps of his Grandfather's brewery in Dublin. His great work *The Approaching End of the Age* helped spark a tremendous interest in solar/lunar calendars among astronomers, mathematicians and Biblical historians in the British Isles in the late 19th Century. With his death, Darwinism won out over the study of Creation in the schools of western civilization. Like nearly all eclipse researchers, his work was largely ignored or systematically suppressed.

Guinness was careful not to set dates, but did believe the history of the world would resolve in the 20th Century, with the End of the Times of the Gentiles. He didn't live to see Israel's return, but he knew it had to happen. He discovered the 391 year Grattan-Guinness cycle, a perfection of long range cosmic time, which is named for him.



Another unsung hero of this field is the mysterious Dutch amateur astronomer George Van Den Beergh. In 1955, he published a book describing a multiplicity of astonishing eclipse cycles. He also numbered the Saros eclipse cycles, a computational feat used by astronomers today. His works are out of print, many are completely lost to time. He served time in a Nazi Prison in World War II.

George Van Den Beergh

Modern public access to eclipse history was made possible by the late Fred Espenak who passed away last year, Mr. Eclipse, he was called,

He was NASA's chief eclipse scientist and mapped all eclipses from 2000 BC to 3000 AD, released them in print, and on the NASA website.

The Great Jesus Anniversary

Why does anyone care about anniversary?

Kind of a weird thing isn't it? There's some kind of power there, some kind of drumbeat. Your kid's birthday. A death day of a loved one pops up in the calendar. Your wedding. Big ones like JFK, or 9-11 or just the Fourth of July and Christmas. Anniversary. Where does that feeling come from when we approach an anniversary? That memorial drumbeat.

The Anniversary?

April 3 2033 will be the traditional 2000th anniversary of the Crucifixion of Christ. It's also almost certainly the actual anniversary. If Christians could bring themselves to agree upon this date, we could have a tremendous focal point for an upcoming anniversary. But Christians tend to agree on very little.

When did Jesus Live?

As of this writing in 2026, pretty much all historians agree Jesus was alive 2000 years ago. Pontius Pilate was a real Governor of Judea from 26 to 36 AD, and history has narrowed the Crucifixion date down to one of seven dates, Passovers between 27 to 34 AD. Various denominations have a pet date, which makes agreement challenging. In this case I believe it's not a trivial matter.

Without an agreed upon date, we stand ready for confusion and inaction. Imagine if there were seven possible dates and years for your child's birthday or your marriage anniversary? What is the result? You'd end up not sure when to commemorate, and stop caring much at some point.

Remember what happened for the 2000th anniversary of Jesus birth?

Me either.

The Catholic Church at least tried in 2000 but most folks were consumed by Y2K in 1999 and the election mess of late 2000. Then 2001 showed up and it's been different since then. We need anniversary. It cements truth, and we'll talk about that in a bit.

When did Jesus Die? April 3 33 AD.

There's good reason to agree on 33 AD. The Bible, tradition, modern scholarship, the human calendar and astronomic reality all point to the exact date of Jesus Crucifixion as being Friday April 3 33 AD. I do pray that the Churches consider celebrating on that specific date. It's the easiest date, the traditional date, and I bet it's the right one too.

We were born with an instinct for anniversary. Rounded number anniversaries are particularly profound. That probably has to do with ten fingers and ten toes.

This 2000th anniversary is marked side by side with the greatest cosmic alignment of all time, a synchronization of astronomic calendars, a cultural and cosmic arrow pointing to the finished work of Jesus Christ.

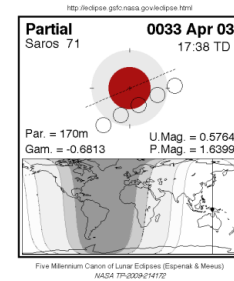
Why April 3 33 AD?

Why is Friday April 3 33 AD the likely day?

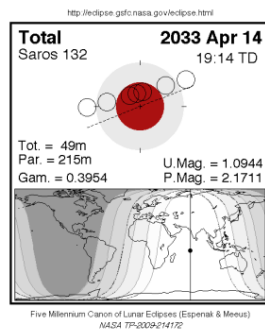
- Apr 3 33 AD has been established as Passover.
- Apr 3 33 AD was a Friday. All four Gospels of the Bible say Jesus died on Passover, slept on the Sabbath (Saturday) and rose early on the first day of the week - Sunday. April 3 33 AD is the only possible date where that arrangement is an absolute certainty.
- April 3 33 AD is the traditional date suggested by many church fathers. Eusebius of Caesarea. Julius Africanus. Origen of Alexandria and Jerome all put the crucifixion in the 18th or 19th year of Tiberius (or 33 AD)
- April 3 33 AD is the date our calendar is built upon. It was likely understood and recognized as the proper date of the Atonement of Christ, and then the BC/ AD dating system was marched back 33 years by the Monk Dionysius Exiguus, the father of our BC/AD system.
- The number 3. Apr 3 33 AD resonates with repetitive 3's. and mirrors the Lord's age of 33 at his death. Jesus was 30 when he began his 3 year ministry, and rose on third day. He was part of the Trinity (Father, Son and Holy Spirit- set of three) and had three trusted disciples-Peter, James and John. If he died on April 3, that means his triumphal entry into Jerusalem occurred March 30, 33 AD, or 3-30-33. The other maximum expression of humanity up to that point, Alexander the Great, had also died at 33. At 33 years, the difference between solar years and lunar years (11 days) adds up to another full year, so it is also a soli-lunar cycle. The number 33 remains prominent in numerological circles. The number three has special properties-i.e. protons, neutrons and electrons Body, soul and Spirit.

- His death day of Apr 3 is not shared by any other truly world famous personality or event. The most famous people to die on April 3? Composer Johannes Brahms, Jesse James and Sarah Vaughan. Very few important events have taken place on that day. On contrast, if he had died on the previous year Passover of 32 AD, which was April 14, he would have shared his death date with Abe Lincoln, the sinking of Titanic and the splitting of the atom.

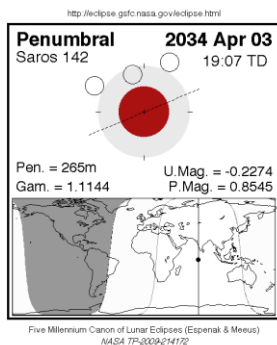
- But the most dramatic evidence is the eclipse over Jerusalem. On Passover April 3 33 AD, a strong partial lunar eclipse rose at sunset on Jerusalem, thus making Jesus Christ the only world famous person ever to die during a lunar eclipse over his locale.



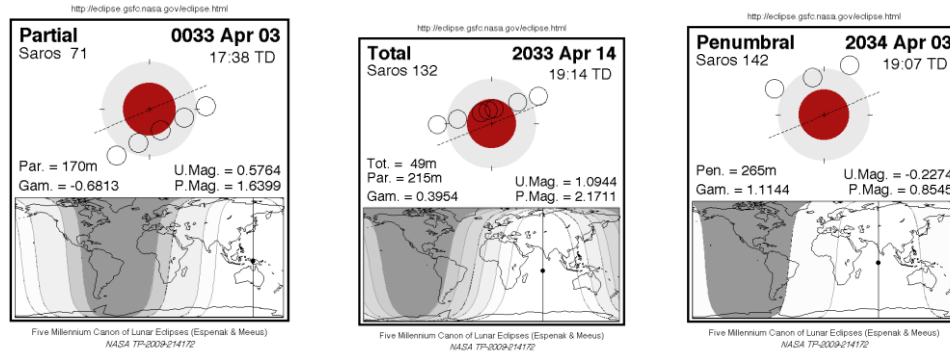
- 2000 years later (plus 11 days), there will a Passover total lunar eclipse over Jerusalem.



- and 2001 years to the day after the lunar eclipse at his Crucifixion, there is a lunar eclipse on Passover April 3 2034. The Jesus Alignment.



Here's the three side by side.



Partial Eclipse over Crucifixion in 33 AD.

2000 years and a few days later in Jerusalem a Total Eclipse.

2001 years Alignment on April 3 2034. We will look at the Jesus Alignment in a minute. Note that the two eclipses are only one hour 29 minutes different, 2001 years apart.

- The Darkness. Julius Africanus quotes Greek scholar Phlegon from his *Chronicles* saying an unexplained cosmic darkness accompanied an earthquake in 33 AD. This was not a solar eclipse, as that is not possible at full moon.
- Concerning the earthquake recorded in the gospels. The Geologic Society of America presented evidence (available online) of two 33 AD earthquakes near Jerusalem.
- Peter's Sermon in The Book of Acts.

Peter's first sermon after the Resurrection. The famous sermon at Pentecost recounts the earthquake, the darkness, and the moon being "turned to blood" as he quote the prophet Joel to thousands who had witnessed the events surrounding the Crucifixion 50 days earlier. The moon being turned to blood can only be referring the historic blood moon eclipse which is known to have occurred just after Jesus was taken down from the Cross.

Then Peter stood up with the Eleven, raised his voice and addressed the crowd: "Fellow Jews and all of you who live in Jerusalem, ... this is what was spoken by the prophet Joel:

*I will show wonders in the heavens above
and signs on the earth below,
blood and fire and billows of smoke.*

*The sun will be turned to darkness
and the moon to blood
before the coming of the great and glorious day of the Lord.*

*And everyone who calls
on the name of the Lord will be saved.*^[6]

"Fellow Israelites, listen to this: Jesus of Nazareth was a man accredited by God to you by miracles, wonders and signs, which God did among you through him, as you yourselves know. This man was handed over to you by God's deliberate plan and foreknowledge; and you, with the help of wicked men,^[d] put him to death by nailing him to the cross.

Acts 2 14-23

Concerning the moon being turned to blood, Peter is relating something his listeners witnessed. There's only one possible Crucifixion date with a lunar eclipse over Jerusalem. April 3 33 AD.

Jesus became the only world-famous man to ever die beneath a rising lunar eclipse.

The Prophecy from Daniel

The Triumphal Entry 3-30-33

Keeping going. If Jesus was crucified on Friday April 3 33 AD, then his triumphal entry into Jerusalem (what we celebrate as Palm Sunday) occurred Monday March 30 33 AD.



Seven years from now, On the exact 2000th anniversary of that triumphal entry, March 30 2033, a total solar eclipse connects the Eastern and Western Hemispheres of earth simultaneously over the only place it could possibly do so, the Bering Strait, touching both the USA and Russia, and straddling the

International Date line.



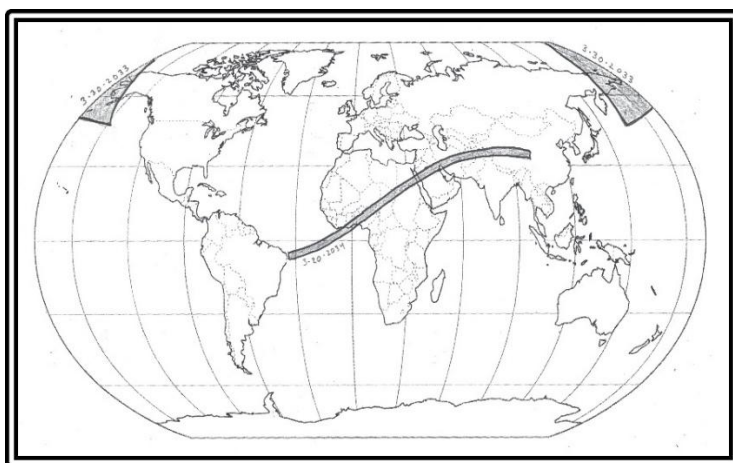
Symbolically, this place connects the earth. It is also the farthest eastern and western expansions of civilization, and empire, and the Christian Church.

It is the only known total solar eclipse in history to connect both hemispheres simultaneously.

It is also the only solar eclipse in history to consist numerically of a 7-digit palindrome.

3-30-2033 is the same 7 numbers forward and backwards. Occurring on the 2000th anniversary of Christ's triumphal entry.

Another eclipse occurs exactly one lunar year later on Spring Equinox March 20 2034. Here's what the Triumphal anniversary eclipse of 2033 and the Equinox 2034 Eclipse look like mapped together.



The total solar eclipses of 3-30- 2033 and 3-20-2034, one lunar year apart

These are the only two total solar eclipses to occur on planet earth between the years 2031 and 2035.

It seems unlikely that the God who controls the universe would allow us to be utterly confused about something so important as the date when Jesus was crucified. I believe God cares about anniversaries in general and this anniversary in particular.

There's Biblical proof God made anniversaries. Passover is the first and only anniversary mandated to be observed. It memorializes the Israelites escape from bondage Egypt. This is God speaking:

This day shall be for you a memorial day, and you shall keep it as a feast to the LORD; throughout your generations, as a statute forever, you shall keep it as a feast.

Exodus 12;14

Jesus died at Passover, and is considered the true Passover lamb. We are supposed to consider anniversary in general and Jesus' Anniversary in particular.

Well, why haven't we heard more about this from the experts ? The main reason is that it's been a largely forgotten topic. It makes some people's heads hurt. Also, detailed astronomic eclipse maps haven't been publicly available until very recently. It's also possible that the experts were occupied.

It's also possible that an eternal spiritual enemy doesn't want consensus on a public anniversary for Jesus Christ. In an occupied war zone, any smart occupier would prevent public anniversaries of fallen enemy martyrs. It only makes sense. Our enemy wants no consideration of the end times, or of itself. If you understand, you understand.

Two masters are showing their hands in the last days. One has made a really big machine and wants us to join it there forever. The Bible says he can appear as an angel of light.

The other Master is God. He made the universe. He stretched out space and time itself, and he's pointing to His Son.

The Great Jesus 2001 year Alignment

Before we look into the alignment of the cosmic clock, we take a second to look at eclipses.

Lunar eclipse means the earth's shadow covers the moon.

Solar eclipse means the moon covers the sun, as it appears from earth.

How often do they happen? In ten years we average 8 total lunar eclipses on earth and 15 complete (non-partial) solar eclipses. Not many. A complete solar eclipse creates a true

shadow over less than $1/400^{\text{th}}$ of the earth's surface, so they are pretty rare to see. In one century there's about 150 complete solar eclipses and 75 total lunar eclipses, not a gigantic data set, where one can cherry pick conclusions.

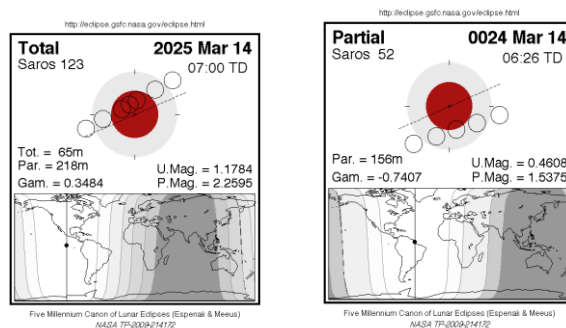
It's extremely rare to witness a total solar eclipse and most people live and die without seeing one. Lunar eclipses are more common because they often cover half the earth.

Eclipses were essential to establishing History

The first agreed upon date in history is the coronation of Nabonassar, King of Babylon, on Feb 26 747 BC. History with dates flows from that date. This date was determined by Greco-Roman astronomer Ptolemy using the records of an eclipse of 762 BC. which brought total eclipse to Nineveh, when Jonah likely preached to them.

First look at the Jesus 2001 Year Alignment

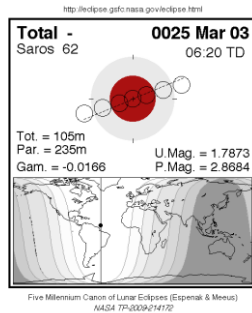
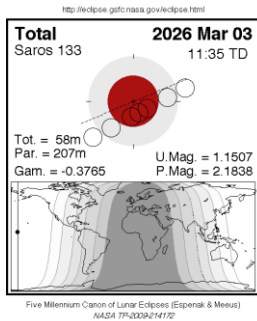
On the left is the March 14 2025 total lunar eclipse over the western hemisphere. On the right is an eclipse 2001 years before on March 14 24 AD, when Jesus was likely 25 years old.



NASA shows the maximum eclipse in white, and the area without eclipse in dark. Counterintuitive.

Consider the eclipse maps closely. In the upper righthand corner you see time of maximum eclipse beneath the date -it says TD (terrestrial dynamic Time). These two eclipses were 34 minutes apart in a 2001 year span. That's dang close.

One lunar year later, consider these:

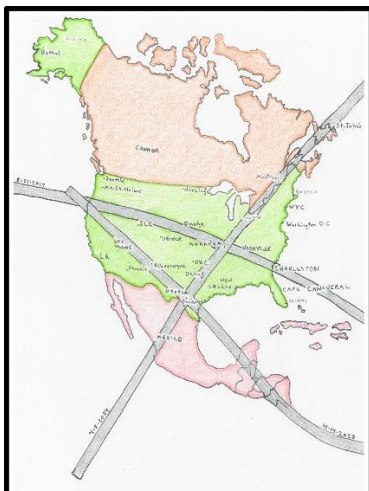


Mapped on the left, a total lunar eclipse which occurred March 3, 2026. On the right, 2001 years prior- a total lunar eclipse March 3 25 AD. These eclipses are separated from the next eclipse by 2001 years, 5 hours and 15 minutes.

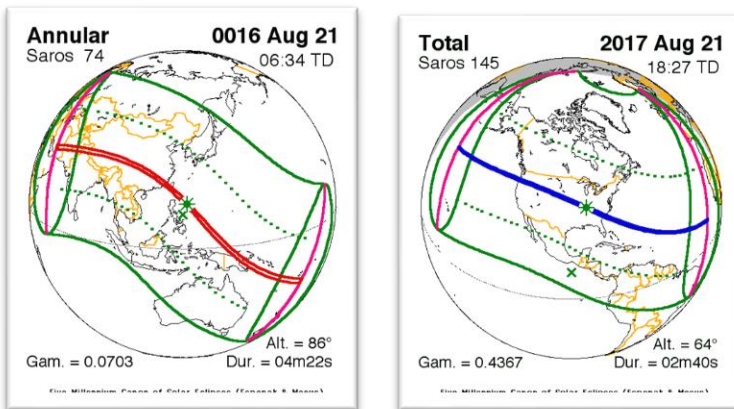
The 71 Saros Count Difference

Look again at the map. Notice a Saros number in the upper left of the map. The Saros is the name of the individual eclipse personality, which we discuss later. On the 2026 map the Saros is 133 and on the 25 AD map, it is Saros 62, a 71 Saros Count difference. This 71 count difference is a difficult matter to quantify, just understand that it represents the progressions of eclipses over time. Turn back the page and look at the earlier example. The 2025 eclipse was Saros 123 and the 24 AD eclipse was Saros 52, again a 71 Saros count difference. This same 71 Saros count difference exists throughout the 2001 year Alignment. Look for that same pattern in each of the upcoming maps.

Remember the solar eclipses over America a few years ago, between 2017 and 2024? The ones whose paths formed an A hieroglyph over our nation?

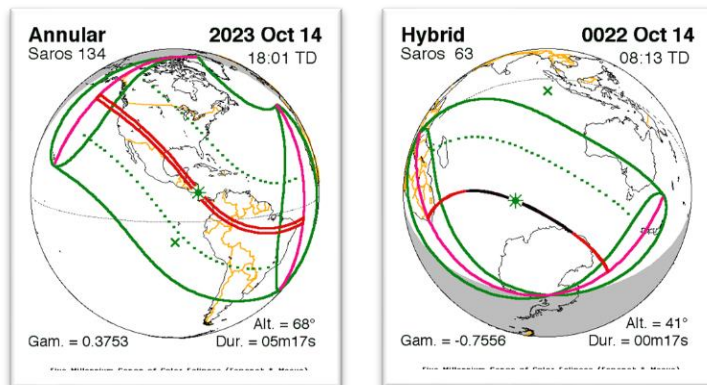


The first eclipse occurred Aug 21 1617. Here's it and its Alignment match from 16 AD.

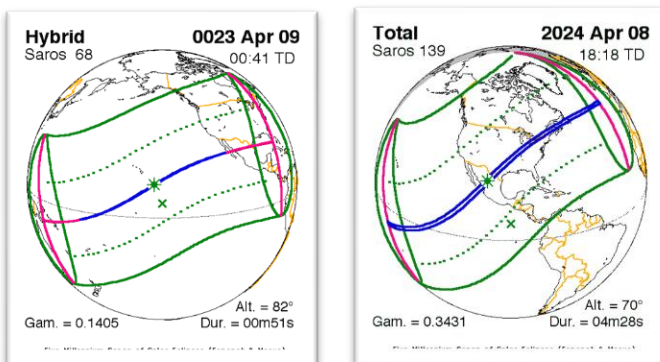


Same date 2001 years and 12 hours apart. Also 71 Saros Count apart. 145 and 74.

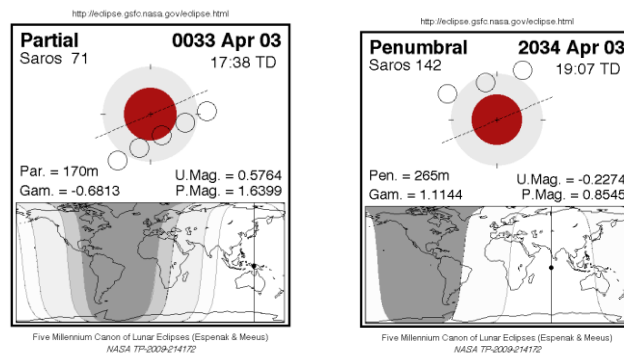
Below are Oct 14 eclipses 2001 years and ten hours apart. The 2023 eclipse occurred on Charlie Kirk's 30th birthday. Also 71 Saros Count apart.



Below, the last USA eclipse (on right) occurred Apr 8 2024. The 23 AD date says Apr.9, but that's just 5 hours difference in real time (due to time zones). Also 71 Saros Count apart.



Here's the 2001 years Alignment on the Crucifixion date of April 3 33AD, and its companion alignment eclipse from April 3, 2034.



Note that maximum eclipse of the two events are only one hour 29 minutes different, 2001 years apart. The incredible icing on the cake?

Not only are the two eclipses (Saros 142 and saros 71) again 71 Saros count removed from each other, but the Jesus Crucifixion eclipse IS ACTUALLY Saros *number 71*.

So the same number of 71 which defines the enormous stretch of cosmic time revealed in the alignment is the number of the Saros which accompanied Christ's crucifixion. His eclipse is the base number for the timekeeping revealed in the alignment. This is not an intentional construction, by any means. It is very odd and very unexpected.

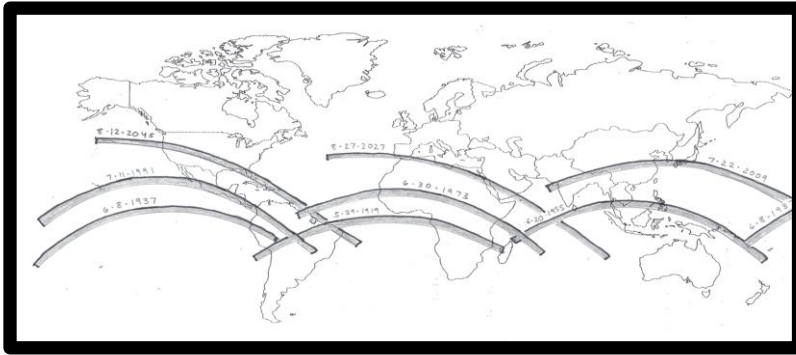
That's God for you. Coincidence falls apart.

So the matchup goes on like that.

Of 42 current eclipse dates on earth between 2014 to 2034 and the 42 eclipses which occurred during Jesus adulthood 13 AD to 2033, 18 dates are exact matches, 12 are one day ahead. 10 are one day behind and two dates have no match. All are 71 Saros Count apart. Can there be a closer match for such a flexible phenomenon as a single calendar date on a spinning planet 2001 years apart?

Briefly About the Saros

I will go much further into detail about this later, but what is the Saros and its number? The number is the name of an individual Saros Cycle, an eclipse character which lives about 1200 years, showing up around 70 times, returning every 18 years. They are born as slight partial eclipses over the poles, grow into larger eclipses and create consistent patterns that slowly change traveling about one third around the world westward with each appearance. They peak as total and ring of fires, then slowly die. Earth has had only about 155 Saros come into being in the last 4000 years. We have 40 at the present time, some being born, some dying, some going strong. Below is a map of Saros 136 over the last 100 years.



Once the Gregorian Calendar fixed the Chronological problems of the old Julian calendar in 1582, we see a real time emerging that co-ordinates properly human and cosmic time. This large-scale time is marked by eclipse repetition.

The Conclusion?

A 2001 year astronomic alignment occurs directly alongside a 2000 year cultural anniversary of Jesus lifetime. That reality should be pretty intense, even for the “So What Society”.

Jesus Birth

Jesus was likely born in 2 BC, around the time of three great planetary and star conjunctions which likely account for the brightness of the Star of Bethlehem.

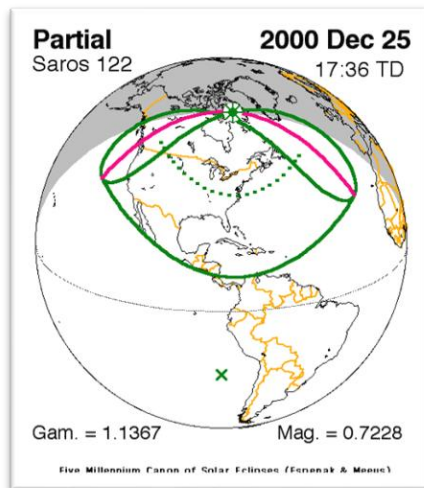
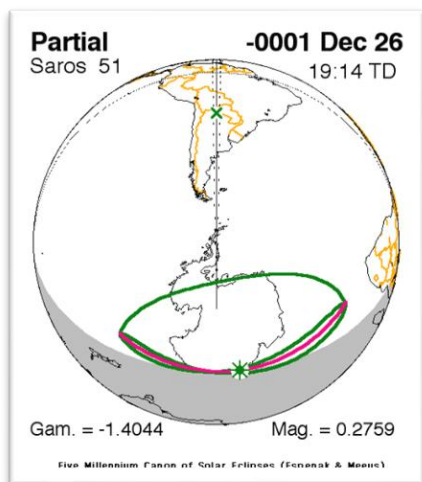
August 3 BC: Jupiter and Venus conjunction.

September 3 BC Jupiter and Regulus (King Star) conjunction in constellation of Leo.

Summer 2 BC Venus and Jupiter merge into a single light.

If Jesus was 33 ½ years old at his death in April of 33 AD, that means he was born around late summer or fall of 2BC. There is no year zero, which accounts for the funny math.

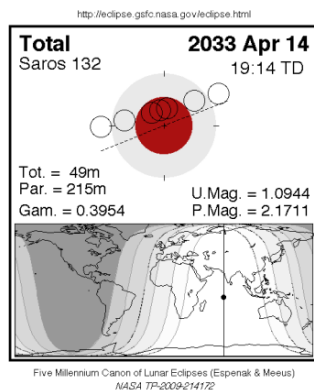
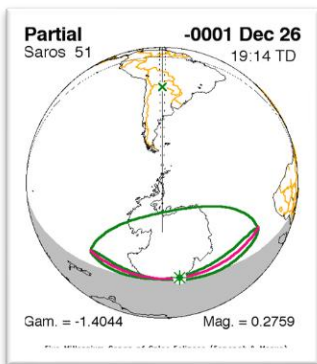
What’s about Christmas? Well though there’s little reason to expect that Christ was born at the traditional date of Dec. 25, there is a Christmas eclipse right at the first traditional Birthday and again 2001 years later.



HoHoHo. So that 1 BC on the NASA map is actually 2 BC in history, because NASA uses a year zero in calculations, and we don't. The fact that it is Dec.26 hardly matters because it is at the South Pole where the days are 24 hours long and the eclipse had begun on Dec.25. Notice 71 Saros Count difference (upper left number) Saros 51 and Saros 122.

Numerical oddities

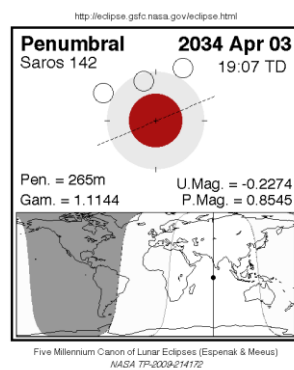
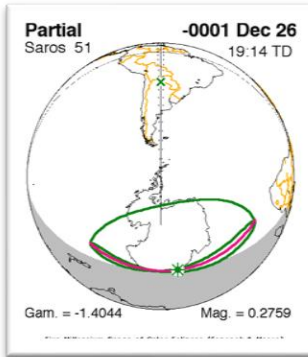
As an aside. So let's look at an oddity now. Below are the solar eclipse at Jesus traditional birthday and the upcoming lunar eclipse in Jerusalem 11 days after the 2000th anniversary of his death. They share an interesting numerical characteristic.



In the upper right hand is the time of maximum eclipse. Both of them show 19:14 as the time. 1914 is, of course, perhaps the most important year in modern civilization, the beginning of the First World War. 1914 is also vital to the teachings of the Jehovah Witnesses, as they believe that was the year God's kingdom was established in heaven.

19+14 also equals 33, as well, for whatever that's worth.

Now look at the traditional Birthday again alongside the 2001 year Crucifixion Alignment eclipse of April 3 2034 and find another numerical oddity.



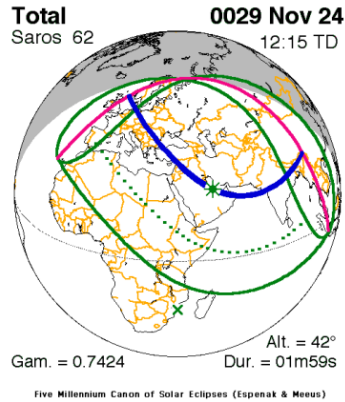
Look at the Gamma figure (Gam.) of each eclipse in the lower left. Gamma denotes the centrality of the object in the shadow. The Gamma for the 2BC Christmas eclipse is 1.4044 and the Gamma for the 2001 year anniversary eclipse is 1.1144. That seems a rather odd numerical coincidence that the number 144 should be embedded in both eclipses in such a way, considering that Revelation speaks of the 144,000 Tribulation Saints to be saved.

Then I heard the number of those who were sealed: 144,000 from all the tribes of Israel.

Revelation 7:2-4

Such oddities follow eclipses around, and I will leave those there.

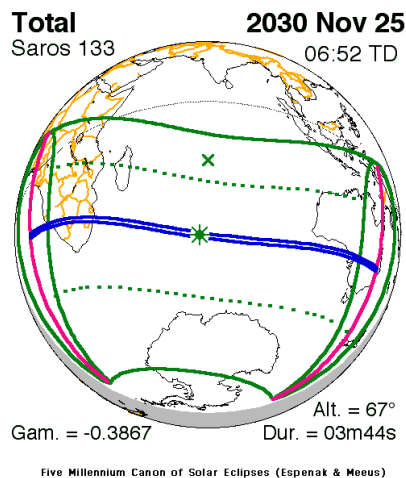
Jesus/John the Baptist Ministry Eclipse



29 AD Nov 24 Total Jesus Ministry Eclipse (Saros 62) This would have been the most impressive eclipse in the Holy Land in many decades, with 100.00% totality in Nazareth, the Galilee, and Samaria. Jerusalem saw maybe 95% eclipse. Path of Totality begins in Europe -crosses Berlin and site of Auschwitz in Poland. Path over Syria, Jordan, Iraq, Turkey and Arabia. This would have been a noticeable Sabbath day event, and if traditional dating is accepted, occurred very close to the time when John the Baptist's and Jesus' ministry began (Occurring 3 1/2 years before the crucifixion), perhaps increasing "Messiah fever"

A tremendous earthquake accompanied this eclipse on the very same day in Bithynia, in modern-day Turkey, destroying much of the city of Nicaea, the place later made famous in 325 AD for hosting the council of Nicaea, where the books of our modern Bible were determined.

This little-talked about eclipse deserves more attention. It's 2001 year match occurs Nov.25

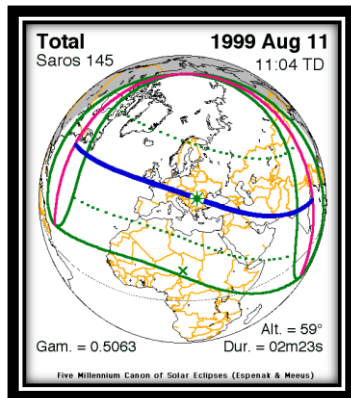


2030 and brings a total eclipse from South Africa to Australia.

Jesus Birth Anniversary Eclipse

If Jesus was born around August 2 BC, then the actual 2000th anniversary of his birth occurred in Aug 1999, very near the time of the last total eclipse of the Millenium, and one of the most profound eclipses of the 20th century.

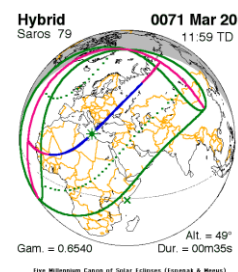
On Aug 11 1999, a total eclipse began at sunrise just off the east Coast of the USA, where JFK Jr had died a few weeks before. It traveled across the heart of Europe, England, France, and Spain and brought totality at Hitler's Birthplace in Austria. It went through Turkey where six days later an earthquake killed 20,000 people. It crossed the ancient ruins of Nineveh in Iraq 3 years before the invasion and other significant spots. The eclipse occurred on the 1929th anniversary of the burning of the Temple in Jerusalem Aug 10 70 AD.



Jesus and the Temple

Jesus famously prophesied the destruction of the temple in Jerusalem. Since he was likely born in 2 BC (and there's no year zero), he would have been born 71 years (perhaps exactly) before the destruction of the Temple. Again remember his Crucifixion eclipse ended up being numbered Saros 71, which is also the determinate number difference of the Jesus 2001 year astronomic alignment.

Of note, in 71 AD, the first complete solar eclipse on earth following the destruction of Jerusalem and the scattering of the Jewish people went directly over the mediterranean, including totality near Athens and darkening the skies of Rome.



Rounded Numbers and The Anniversary

Why do rounded anniversaries matter more than unrounded ones? Why would a rounded 2000th Anniversary matter? Some theorize that rounded numbers matter because we have fingers and toes. We think in tens and twenties.

Cultures pay extra attention to anniversaries in round numbers. Particularly 10, 20, 40, 50, 70 and 100, 200, 250, 500 and 1000. 25's, 75's and 250's also seem important. But 28th and 61st...naaah. You just buy the discount flowers for those anniversaries.

The Bible also has important number groupings at 7, 12, 120, and 400.

A 2000 year anniversary creates an equation with two of the most important Biblical Time periods, a 40 year generational period and the 50 year Jubilee.

What is the 40 Year Period?

Moses was in Egypt 40 years and Midian 40 years before leading the Israelites as they wandered in the wilderness 40 years. The first three Kings of Israel- Saul, David, and Solomon all reigned 40 years. 40 day periods are among the most important in the Bible as well: The Great Flood, Moses on the Mountain. Christ's Temptation and days spent after Resurrection, Jonah's warning to Nineveh.

What is the 50 year Jubilee?

The Jubilee of the Hebrews was the culmination of seven 7 year periods or 49 years, followed by a fiftieth year. during which debts were released and no work done. The significance of the Jubilee cannot be overstated, and the ancient Book of Jubilees is considered part of the Torah by the Ethiopian Church, and by some Ethiopian Jews. Copies of the Book of Jubilees were found among the Dead Sea Scrolls. The Book of Jubilees implies a time-keeping system based on these 50 year Jubilee periods.

40 year Generation times the Jubilee . $40 \times 50 = 2000$

The conclusion of fifty 40 year generational time periods occurs at the 2000 year mark.

The Jubilee times the Generation. $50 \times 40 = 2000$

Forty Jubilees equals 2000 years.

2033 ends both the 40th Jubilee and the 50th 40 year generation since the work of Christ was finished in 33 AD

Reading the Bible, a **2000 year resonance** emerges from this pattern.

40 Jubilees (2000 years) from Adam to Abraham. (4000 to 2000 BC)

40 Jubilees (2000 years) from Abraham to Jesus. (2000 BC to 0/1 AD)

40 Jubilees (2000 years) from Jesus Atonement to Jesus 2033.

That would make 120 Jubilees from Adam to 2033. 120 is obviously also an important number in the Bible.

Then the LORD said, “My Spirit will not contend with humans forever, for they are mortal; their days will be a hundred and twenty years.”

Genesis 6:3

Moses had a 120 year lifespan.

The combined reigns of Saul, David and Solomon was 120 years.

The 500 year pattern

Ten Jubilees is a half-millennium, or 500 years. Dates are circa, not exact. Going back in time, the 500 year pattern shows massive world-changing events around that marker. We are currently:

10 Jubilees removed from the Reformation and New World.(1500 AD)

20 Jubilees from the East/West church split and Muslim/Christian conflicts (1000 AD)

30 Jubilees from Fall of Rome (around 500 AD)

40 Jubilees from time of Christ.

50 Jubilees from end of Babylonian exile (500 BC)

60 Jubilees from King David (1000 BC)

70 Jubilees from Moses and Exodus (1500 BC)

80 Jubilees from Abraham (2000 BC)

90 Jubilees from Flood (2500 BC)

120 Jubilees from Adam (4000 BC)

What is the Millenium Pattern?

These anniversaries and alignments might give you the sensation that we're approaching a reckoning, a climax, perhaps even the impending Millennial reign of Christ.

The Bible says the Millenium is not the end of the world, at least in a physical sense. It would be the end of the current world order, for sure, and things will be different, but the physical world still exists for a thousand years after Jesus second coming at the end of the Great Tribulation. It will be a healed world, where Isaiah says "the wolf shall lie down with the lamb" (Isaiah 11:6), but that world will still have sun and moon and time and eclipses. It's called the Millennial Reign of Christ, and the devil gets chained, and Jesus is King.

And I saw an angel coming down out of heaven, having the key to the Abyss and holding in his hand a great chain. He seized the dragon, that ancient serpent, who is the devil, or Satan, and bound him for a thousand years. He threw him into the Abyss, and locked and sealed it over him, to keep him from deceiving the nations anymore until the thousand years were ended. After that, he must be set free for a short time.

I saw thrones on which were seated those who had been given authority to judge. And I saw the souls of those who had been beheaded because of their testimony about Jesus and because of the word of God. They had not worshiped the beast or its image and had not received its mark on their foreheads or their hands. They came to life and reigned with Christ a thousand years. The rest of the dead did not come to life until the thousand years were ended.) This is the first resurrection. Blessed and holy are those who share in the first resurrection. The second death has no power over them, but they will be priests of God and of Christ and will reign with him for a thousand years.

Rev 20 (NIV)

The place that we usually picture as heaven, pearly gates and streets of gold, the new Jerusalem, shows up one chapter and 1000 years later in Revelation 21.

The millennium is a specific segment of measurable time, measured by sun and moon, of one thousand years. The Resonances of impending conclusion would suggest that the Millenium would occur after six thousand years of human story, or right about now.

We see this six plus one =7 pattern throughout the Bible from the first page on, when God creates the world in six days and rests on the seventh.

As a poetic analogy, the Bible says twice that a “thousand years are like a day” to God. Six days work. one day rest. We are ending six Millenniums of recorded history and are due for the arrival of a seventh millennium.

Millennial Resonance in Scripture and History.

By simply adding the ages of Persons found in the Bible, scholars have long approximated the beginning of the Biblical narrative at around 6000 years ago.

Famously, Archbishop Ulster's in the 17th century claimed a 4004 BC creation, meaning Christ's 2000th Crucifixion anniversary would be in 6036.

Kepler figured it to be 3992 BC, meaning it would be in 6024.

Newton calculated exactly 4000 BC, meaning it would be in 6032.

The Hebrew Calendar currently says that year is 5794.

The Egyptian Calendar says 6275.

Using the Saros resonance, I prefer a 3970 BC date, making that year 6002.

Are there older calendars on earth?

No. Hindu and Mayan calendars begin around 5000 years ago. Though many cultures claim time existed before their calendars were introduced, no continuous calendar on earth predates 6000 years ago. Anyway you slice it, we're around 6000 years since Adam.

The earth's age can be the subject of separate debate, because the Bible says time as we know it (marked by sun and moon) wasn't even created until the Fourth Day in Genesis. I avoid that topic here.

But even secular historians agree true civilization originated in Mesopotamia about 6000 years ago, the same place the Bible says it did. One can say they don't believe in Adam and Eve, but they can't prove civilization and writing began anywhere on earth other than right where the Bible says it did

Here's approximate generally accepted Bible times.

4000 BC Adam and Eve

3000 BC Birth of Noah

2000 BC Abraham

1000 BC David

1 Jesus

1000 AD East/West Church split

2000 AD Present Age/ Seventh Millennium

6000 years have come and gone since the Garden. Some preachers like to say, “well Jesus may come in a thousand years or he might come tomorrow”.

Do we really think this AI beast is going to give us a thousand years? It's here. It wants our souls now. It might be calling your name. It's after our kids. That's why we need Jesus. He is a supernatural Savior from a supernatural enemy. Will the God of the Universe intervene to save his children?

Of course.

Jesus said there will be signs in the sun and moon of his return. That's what I'm trying to show you now. He will save the day.

Sun and Moon

We have two primary cosmic companions in the sky, sun and moon. These two companions appear the exact same size in the sky. .5 angular degrees. The sun is 400 times bigger than the moon and also 400 times further away.

During the total solar eclipse of Aug 21 2017 in the USA, the relative size of the moon to the sun over Bald Knob Cross of Peace was 100.00%. Yes that is 100.00.

We are talking about two objects of vastly different sizes more than 90 million miles apart with an alignment so precise that sunlight flickers around the mountains of the moon. Our timekeepers, sun and moon, are the same size in the sky.

How many people were taught this truth as a kid? Clearly, those who designed the educational system either didn't know this truth, or decided they didn't need to tell us about it. My folks didn't know. Those who ran our churches obviously didn't know about it. I didn't personally learn about it until I was 30 years old.

What's that about? Well, one day we're going to realize how much we have been lied to, how deeply we have been misled by the world system.

The sun/moon alignment is great evidence of God that can be explained to even very small children.



photo courtesy of NASA

Looking at the Solar and Lunar Calendars

From those perfectly aligned orbs, God gave us time, a place to have stories. Therefore, we create all calendars from sun and moon.

As you know, we use a solar calendar. Let's say today is Feb. 23. Does that matter or is it just a date? Well, Feb. 23 has many common measurable properties with other Feb 23's, at least now that we live in a scientifically accurate calendar, which we have for 440 years.

50 years ago, on Feb.23, if you stood in the front lawn you could watch the sun coming up over the same spot as it did this morning. The earth also returns to the same distance from the sun. Every Feb 23, we're very near the same relation with the sun's gravity and lighting. A solar year anniversary is not just a cultural but also astronomic reality.

But this Feb. 23 is different astronomically from last year's Feb 23 because the lunar phase is radically different. The moon is off!

Last year on Feb 23, the moon was a waning crescent. Tonight it's a waxing Gibbous. That is almost opposite.

The moon is not a small power in our lives. It creates tremendous gravitational pull on the earth. It's gravity is so mighty that it makes the ocean bulge, and it's an important source of light for people and animals.

The lunar month is about 29.5 days. Put 12 of them together and it makes a 354-day lunar year, or 11 days shy of a solar year.

Why is the Lunar Calendar important?

In older cultures, the moon was essential for calculating real time. Imagine being without a calendar and trying to describe the day you bought a horse. Would you be able to say, "Yep, that was 243 days ago". Not likely. And what would that mean even if you could?

But if you have your moons and seasons straight, you could relate that the horse was bought when the Harvest Moon was waning crescent and people would know pretty much exactly when you bought the horse.

Lunar calendars kept days and months straight, promoting the idea of anniversaries and festivals marked by lunar phases, and that's why they were so important religiously all over the world. Easter is still ruled by such astronomy. Easter is the first Sunday after the first full moon after the Spring Equinox.

Every culture knew there was a solar year and a lunar year. It's plainly obvious. But smoothly reconciling the two calendars was tricky.

The Creation of our Calendar: Rome and Egypt

There is an 11 day difference between a solar year and a lunar year. That difference is called their "epact. Most cultures created luni-solar calendars to reconcile the epact.

Luni-Solar Calendars generally have twelve lunar months and add leap months every three years. Luni-solar calendars were once common - Babylonian, Greek, Roman, Chinese, Hebrew, Persian. Why don't we live in a luni-solar calendar now? Good question!

Mostly because the Egyptians met the Romans... and had a saucy love affair, that's why.

As long as 4000 years ago the Egyptians had created a 365 day civil solar calendar to keep track of business and taxes, while their Priesthood kept a separate luni-solar calendar for observation of holy times. Egyptians have the oldest calendar in the world.

As of this writing in 2026, right now its Egyptian year 6267.

Do you know the Egyptian New year is September 11? Charlie Kirk was killed on Egyptian New Year's Eve Sep 10. How did we end up with an Egyptian calendar?



Well, none other than Roman Emperor Julius Caesar went to Egypt in 48 BC, where he had a love affair with Cleopatra Queen of Egypt. Not only did he find her irresistible, he also found the Egyptian civil solar year to be a vast improvement over Rome's luni-solar calendar, and used the Egyptian model to create a new calendar which he instituted in Jan. 1 45 BC, which also included leap years.

It became known as the Julian Calendar, named after Julius, who also named July after himself. The months were still called months, like the moon, but they did not correspond with actual moon phases. Caesar was killed 15 months after the calendar began.

But the problem with the Julian calendar became apparent after many centuries. The Solar year is not exactly 365.25 days, which would make a leap year every four years work everything out perfectly. Instead the solar year is actually 365.242 days long, which makes the overall calendar off astronomically by a day every century. Soon the Spring Equinox was being celebrated many days after it used to be, which affected Easter, and the Church decided it was time to do something about it.

So in 1582 Pope Gregory assembled the greatest Astronomers and mathematicians of his day to properly reconcile the Julian calendar to true solar time. By Papal decree, he removed 10 days from the calendar from Oct 4 to Oct 14 1582,

Then they made new leap year rules.

- The rules are: There is one Leap days every four years, but no leap year every 100 years *except* at the 400-year mark which is a leap year. The year 2000 was the second 400 year mark, the first being 1600.

Why does any of this matter? Firstly, it was this adjustment in the year 2000 that brought our calendar finally into perfect astronomic alignment with the time of Jesus.

Also, I think it's important to realize we are in a longstanding cultural framework of time defined by the bookending empires of the Bible: Egypt and Rome.

Egypt provided our calendar based on the sun, disregarding lunar cycles for the sake of commerce and taxes. Rome supplied their nonsensical months named after false gods and emperors and instituted that calendar worldwide.

And really, don't we sort of live in Egypt? I mean, why is this on the dollar bill?



Why did we build one of these in Washington?



Or Vegas?



Nice pic. Hey you in Rome, bro? Naah, just DC.

Senates, Coliseums. bread and circuses, money and games and sex and war.

Egypt and Rome.

Modern history, as we know it, lives in Egyptian and Roman realities. Into that framework of historic time stepped the timeless God-man, Jesus Christ, who created time, and history cleaved around him. Real time points to Him. He saw fit to arrange the universe so that both astronomic and cultural time point to His return.

In the year 525 the monk Dyonsius Exiguus developed the BC and AD time markers which divide history around the life of Jesus. Now everyone on earth uses that division, and acknowledges that the Christ divides history, whether they follow Jesus or not.

Solar and lunar calendars do not reconcile easily, so an anniversary is not fully complete astronomically year to year. But there is one place the lunar phase and solar day do come together. Every 19 years they achieve a nearly perfect alignment in the Metonic Cycle, an ancient cycle still used to determine Easter.

The Metonic Cycle of 19 solar years or 6940 days

At this very moment we are almost perfectly aligned with a cosmic drumbeat 19 years in the past and 19 years in the future. There is a waxing quarter moon tonight. 19 years ago on this date there was a waxing quarter. 19 years from tonight there will be a waxing quarter.

Why? Because:

235 lunar months is exactly 19 solar years within 1 ½ hours.

And, amazingly, at that same 19 years spot, the eclipse calendar also aligns at 255 Draconic Months. The draconic month is when sun and moon enter eclipse nodes

19 Solar Years 6,939.60 days

235 lunar months = 6,939.68 days

255 draconic months (lunar nodes) = 6,939.11 days. 20.02 eclipse years.

The Other Eclipse time. The Saros Cycle of 6585 days

Another cosmic drumbeat is created by the Saros Cycle, which defines the 40 ongoing repeating eclipses and allows us to predict them.

The Saros Cycle is 6,585 solar days or 18 years 11 days and 8 hours which is exactly:

223 lunar months

242 draconic months

239 anomalistic months (perigee to perigee)

- 223 Synodic Months: $223 \times 29.53 \text{ days} = 6,585.321 \text{ days}$
- 242 Draconic Months: $242 \times 27.21 \text{ days} = 6,585.042 \text{ days}$
- 239 Anomalistic Months: $239 \times 27.55 \text{ days} = 6,585.045 \text{ days}$

The Saros Cycle is exactly 19 eclipse years, and it is also exactly 19 solar years minus one lunar year.

Number 19

Yes, that's right. The one nearly perfect alignment of time (Metonic) is 19 solar years and almost exactly 20 eclipse years. The other nearly perfect alignment of time (Saros) is 19 eclipse years, which is also 19 solar years minus one lunar year.

Of course it's all basically impossible yet quite fortuitous. Two precise cycles composed of seven different cycles both resolve at number 19. Later in the work, you will find many of the very strange relations of the number 19.

The cycles could just as easily not aligned for centuries. We are, after all, dealing with wildly different orbital gears moving at various rates which just happen to link together in a perfect clockwork.

- For instance, the next time *after* 19 eclipse years that a similar alignment reoccurs of the cycles which compose the Saros is about 2290 years, or 127 Saros cycles.
- For the Metonic Cycle , lunar and solar calendars align again precisely at 391 years, the Grattan-Guinness Cycle, probably the purest scale of large scale time.

How the 2001 year Jesus Alignment Works

Large scale time can be measured through long-range soli-lunar cycles.

here's six astronomic cycles that create large time.

8 year **Octaeteris**—99 lunar months are 8 years plus a day or so. That's how they used to plan the Olympics in ancient days.

19 Draconic year (6585 days) Saros Cycle, returning similar eclipses 1/3 around the globe.

19 solar year Draco-Metonic, composed of Solar day, lunar phase, eclipse alignment.

46 year Soli-lunar cycle (Two Metonic Cycles plus an Octaeteris -precise within 4 hours)

65 year Metonic Cycle. Three Metonics plus an Octaeteris. About a day off.

84 year Easter cycle aligns within a day or so.

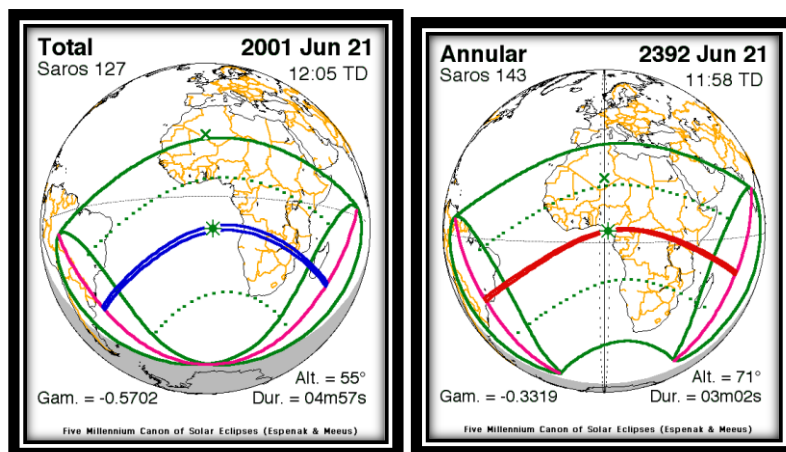
The nearly perfect 391 year Grattan-Guiness Cycle which is also

4836.005 lunar months

5248.002 Draconic months.

How precise is the 391 year Grattan-Guiness cycle? With the Gregorian Calendar and the year 2000 leap year adjustment. Look at true fulfillment of pure astronomic time between 2001 and 2392.

The Grattan-Guiness 391 Year Cycle 2001 to 2392



These maps show the same date, same lunar phase, and nearly exact eclipses within seven minutes 391 years apart.

I believe this is the true cosmic wheel, aligning solar year, lunar phase and eclipses far more perfectly than the Metonic Cycle. Its perfect fulfillment has only been fully reached now with the final readjustment of the Gregorian Calendar in the year 2000.

The Exact Jesus Alignment?

Concealed from the world for millennia, I present the astronomic explanation for the 2001 year Jesus Alignment:

5 turns of the Grattan-Guinness Cycle of 391 years=1955 years.

Plus one 46 year soli-lunar cycle.

$1955+46=2001$ years

This 2001 year lunar, solar and draconic alignment has always existed. It is a drumbeat, but we have been unaware. It finally makes itself known publicly just a few years before the 2000th anniversary of the Crucifixion.

Never in history has human and astronomic time come together agreed to create such an anniversary. And everything points to 2033. Including the Millennial Pattern.

Millenium in Prophetic Reality-The Six Plus One

The Millennium is the promised upcoming thousand year reign of Jesus Christ from Jerusalem. His believers will be on that cleansed earth with the devil in chains. Sound like a fairy tale? Take a brief look into particle physics and you will realize if a universe can be created by its author, it can be completely recreated as well. To ignore the clear proofs of a sovereign God is to take unnecessary risks. Why would one do so?

God made the Universe in six days, and rested on the seventh. Six days of work. One day of rest. This Sabbath pattern is fundamental to the Bible.

For in six days the LORD made the heavens and the earth, the sea, and all that is in them, but he rested on the seventh day. Therefore the LORD blessed the Sabbath day and made it holy.

Exodus 20:11

The Bible says "A thousand years are like a day in God's sight" (Psalm 90/ 2 Peter 3:8)

God had six days of work . We have had six millenniums of toil.

On the Seventh day God rested. We will have a seventh millennium of rest with Jesus.

"The Son of Man is Lord of the Sabbath. " Matthew 12:8

“Come to me, all you who are weary and burdened, and I will give you rest.” Matthew 11:28

In the Wilderness, the Israelites spent six days gathering manna, and were given twice as much manna on that sixth day. They then rested on the seventh.

From that point on, the Sabbath and the number seven are features of Jewish life.

The Sabbath Year of the Israelites meant six years of working fields, then the land must lay fallow one year.

Joshua and the Israelites marched six days around Jericho. Received it on the seventh. Hundreds of sevens are mentioned in the Old Testament involving all manner of feasts, laws and miracles.

There are at least 84 times sevens are mentioned in the New Testament. Revelation has more than fifty sevens mentioned. Seven churches, Seven judgements, seven spirits of God, Seven seals. The 7 is the number of completion. Seven completes.

An ancient law of sevens is known throughout the world. Seven musical whole notes. Seven celestial bodies other than stars, Seven continents, seven seas, seven deadly sins etc.

The Feasts and the Sabbath Pattern

The sun and moon are also created to mark feasts (Gen:1)

The first feast ordained was Passover (Exodus 12).

In Leviticus 23, God ordains **seven feasts spread over seven months**.

The First Six Feasts deal with man's labor, sin, and the historical struggle for redemption (Passover, Unleavened Bread, Firstfruits, Pentecost, Trumpets, and Day of Atonement).

The Seventh Feast (Sukkot): or **Feast of Tabernacles (Sukkot)** represents harvest, joyous rest, and dwelling in the presence of God.

There are 7 Sayings of Christ on the Cross

The sixth one : *"It is finished."* (John 19:30)

The seventh: *"Father, into your hands I commit my spirit."* (Luke 23:46)

The work is finished on the sixth saying. The 7th saying is reunion and rest.

There are Seven Primary Biblical Empires

1) Egypt

- 2) Assyria
- 3) Babylon
- 4) Persia
- 5) Greece
- 6) Rome/ Euro-Roman/ Beast (final)
- 7) The Kingdom of God

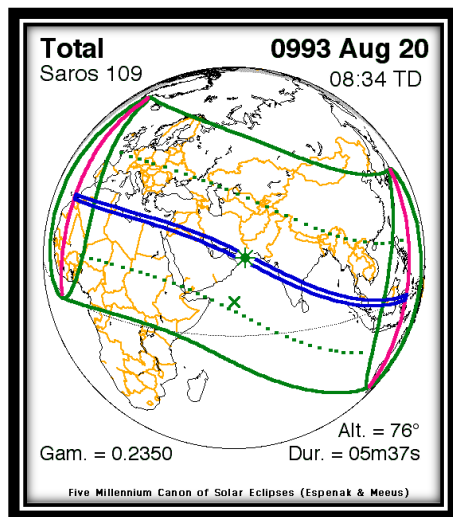
We're almost finished living through six of these. Only the seventh remains.

The 1040 Year Super Cycle

A 6 +1 Resonance can also be found in an extremely **precise luni-solar 1040 year super-cycle**. 1,040 solar years are equal to 12,863 lunar months, Six of these 1040 year cycles equals 6240 years.

There's a 1040 year span between the birth of David 1040 BC and the birth of Jesus. There's also a 1040 year between the death of David 970 BC and the destruction of the Jewish Temple in 70 AD. What's with the tax Form 1040?

There's also one 1040 cycle between the last Total eclipse in Jerusalem, which occurred in 993 AD and the year 2033, the 2000th anniversary of the Lord's Crucifixion.



The 993 AD total solar eclipse over Jerusalem was also a thousand years before the world wide web in 1993.

Third Day Resurrection Resonance

Another millennial parallel returns to the “thousand years as one day” analogy. Jesus spent two days in the grave, rose on the third. Soon it will two millenniums he’s been gone. Bible says:

“A thousand years in your sight are like a day that has just gone by” Moses. Psalm 90:4

“But do not forget this one thing, dear friends: With the Lord a day is like a thousand years, and a thousand years are like a day” 2 Peter 3:8

Peter and Moses were both friends of God, so they should know.

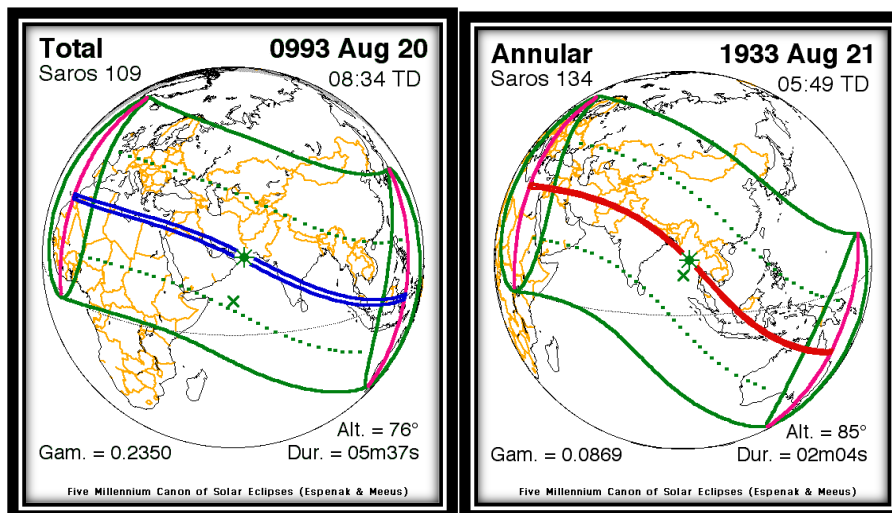
Jesus was crucified on a Friday, slept on the Sabbath in the grave, and rose early on the third day. Two days in the grave and rising early on the third day. Resonance would suggest he rise early on the third millennium after his departure. Pointing again towards our time.

2033 is One Century From The Last Great Eclipse in Jerusalem

Again, The last Total eclipse in Jerusalem was Aug 20 993.

The last *ring of fire* solar eclipse seen in Jerusalem was Aug. 21 1933 .Traveling at sunrise over Giza, Jerusalem, Babylon and Persia just as the Nazis rose to power in Germany.

It occurred in the 1900th year from the Crucifixion and 100 years from 2033. Here’s those two eclipses side by side.



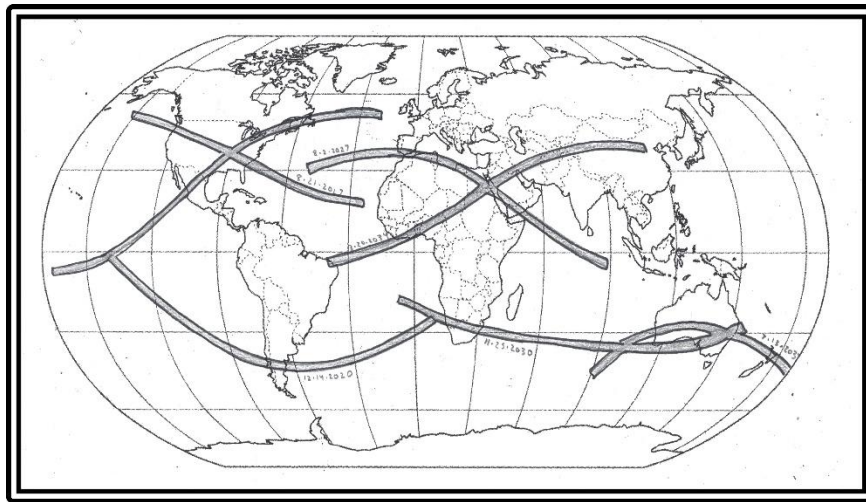
84 Year Easter Cycle

The 84 year Easter Cycle is an ancient method of determining Easter Sundays. 84 years ago in 1942 Easter Sunday was April 5th. The year 2026 it was April 5th again. The 84 year Easter Cycle completes 24 circuits every 2016 years, thus we are in the 24th circuit since the Crucifixion. 2026 saw Good Friday on April 3rd and Easter on April 5th, the same days of the calendar as the Crucifixion year of 33 AD.

84 is the product of 7x12, the two most important Bible numbers. 84 is also the number of hours in half a week.

The Hepton Cycle. The Strangest Eclipse Cycle of them All

The Hepton Cycle is composed of 7 total eclipses spaced 7 eclipse seasons and 7 eclipse years apart, a total of 7266 days or 21 eclipse years (an eclipse year is 346.62 days), all occurring the same day of the week. Which happens to be Mondays this cycle. Here's the Hepton Cycle From 2017 to 2037. Three crosses, one for each independent populated land mass. It's the first time in at least a thousand years that a Hepton Cycle has created three overland crosses on the face of earth, and it may be the first time ever.



The Monday Hepton Cycle 2017 to 2037

The first three eclipses of the current cycle took place in the Americas, and had profound resonances.

Aug 21 2017 USA Divided. First US total in 38 years, Nation divided geographically exactly 7 months after Trump takes office.

Dec 14 2020 Extreme South America. This eclipse took place literally during the US electoral College voting in Biden/Harris. It was the day of the first administered USA Covid vaccine. It was the 221st anniversary of the death of George Washington.

Apr 8 2024 Great North American Eclipse. Total eclipse travels south to north across Mexico, USA and Canada for the first time since their founding, 7 months before Trump's re-election.

Aug 2 2027, the longest total solar eclipse for the remainder of the 21st Century crosses the Valley of the Kings in Egypt and Mecca.

Nov. 25 2030 South Africa with Australia.

Mar 20 2034 , crosses the 2027 eclipse in SE Egypt.

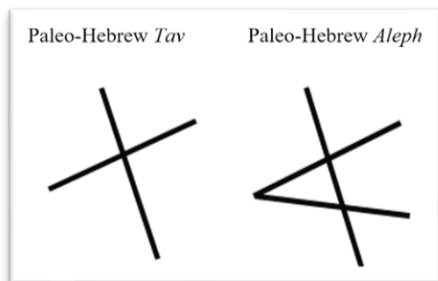
July 13 2037 the last Hepton Cross with eclipse over Australia.

All these eclipses occur on a Monday.

We started the 101st Hepton Cycle since Jesus' Atonement in 2022. (726,600 days or 1989 years equals 100 Heptons)

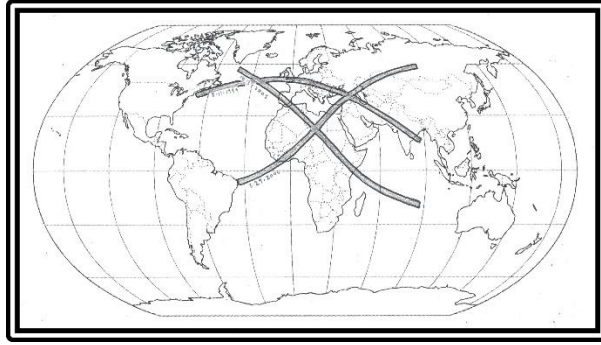
The Aleph and the Tav

Aleph and Tav are the first and last letters of Ancient Hebrew. Tav is the 22nd letter, the Cross. They are Alpha and Omega.



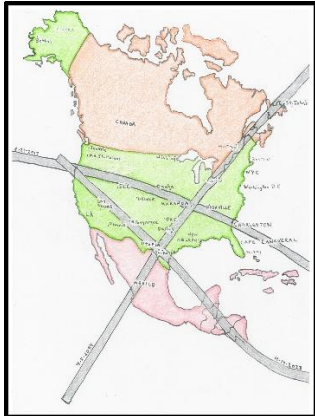
courtesy: Hebrew Etymology Institute

The last Hepton cycle before the current created this Aleph over the Old World beginning on the 2000th anniversary of Jesus birth 1999 to 2006.



Mediterranean Aleph: Aug 11 1999, Oct 3 2005, March 29 2006

It then made this Aleph over the New World 2017 to 2024



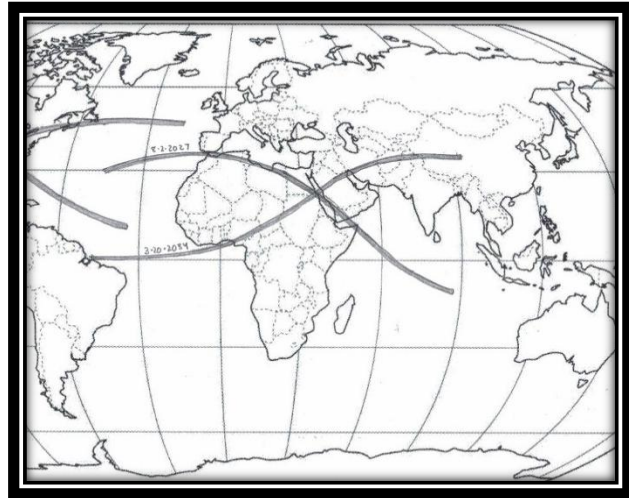
and lastly the Tav over Egypt 2027 to 2034.

In 35 years, two Alephs and a Cross.
Aleph- Aleph- Tav.

Alpha, Alpha Omega.

Two plus one pattern. God is writing-

“ I am the Alpha and the Omega” on the face of earth.



Israel and Prophetic Time

Probably the greatest sign of the Age, along with the rise of the beast, is the return of the nation of Israel in the 20th Century.

Blood Moon Tetrads and Israel

There is a peculiar eclipse cycle called Total lunar tetrads. It is not precisely related to the other cycles we have covered and is in fact a bit mysterious.

A tetrad is four total lunar eclipses in a row spread over two years with two total eclipses per each year. These Tetrads appear off and on for about 300 years and then disappear completely for 300 years.

Very rarely, these tetrads happen to fall on the High Holy Days of Judaism, which are Passover in the Spring and Feast of Tabernacles in the Fall.

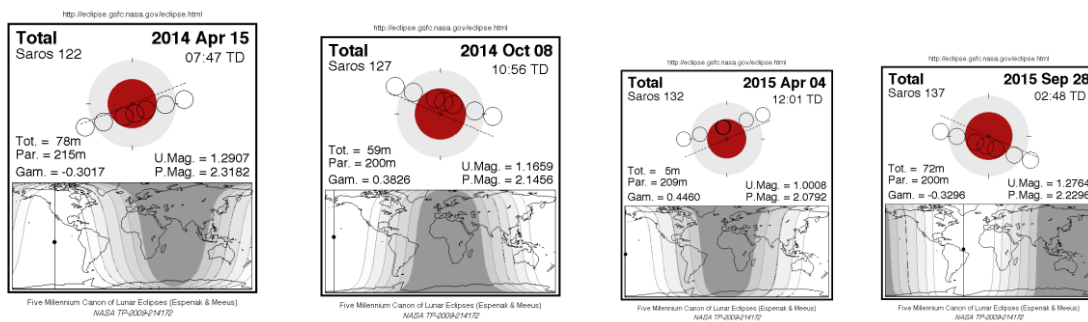
Lunar eclipses are important for Jewish people, as they follow the lunar calendar.

Only four High Holy Day Tetrads occurred in the last 1000 years, and they were all powerfully aligned with major events for the Jewish people:

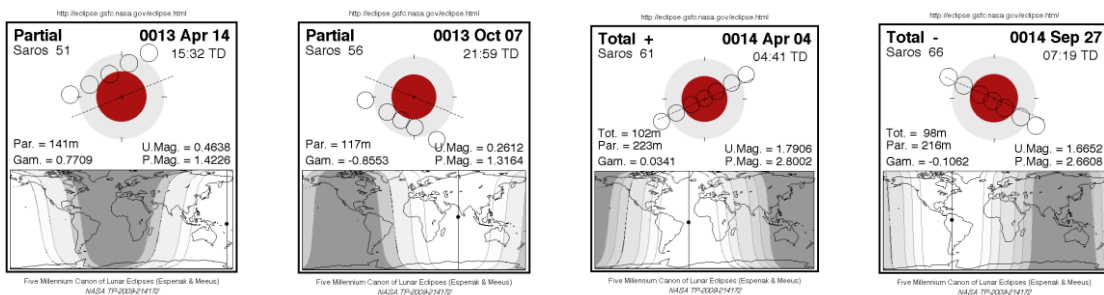
- **1493 and 1494** High Holy Day Total Tetrad occurred following expulsion of the Jews from Spain in 1492 and “discovery” of the New World by Columbus
- **1949 and 1950** High Holy Day Total Tetrad occurred following 1948 founding of Jewish state. The first eclipse was April 1949, one month after hostilities ceased.
- **1967 -1968** High Holy Day Tetrad around 1967 “Six Day War,” as Israel gained true control of Jerusalem for the first time in 2500 years.
- **2014–2015 AD:** The most recent tetrad, widely discussed in modern prophetic circles, occurred at the beginning of our current 19 year Metonic cycle.

Here is the 2001 year alignment between years 2014/2015 and years 13/14 AD

Here’s all blood moons of 2014 to 2015. April 15, Oct 8, Apr 4, Sep 28

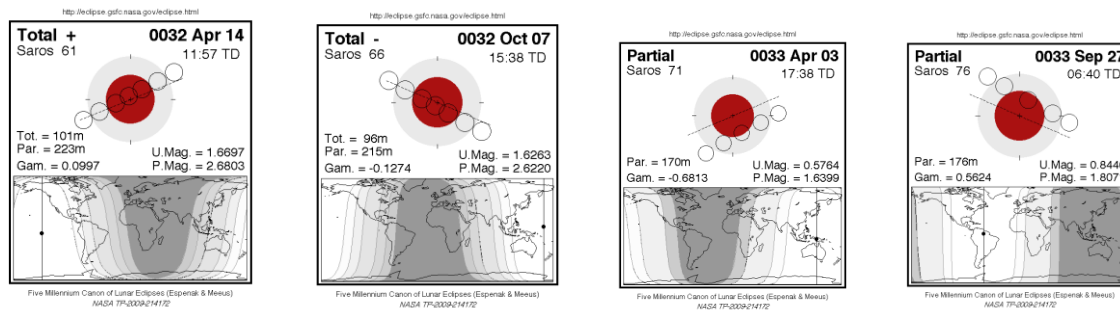


- Here’s their counterparts of 13 AD to 14 AD, all within a day

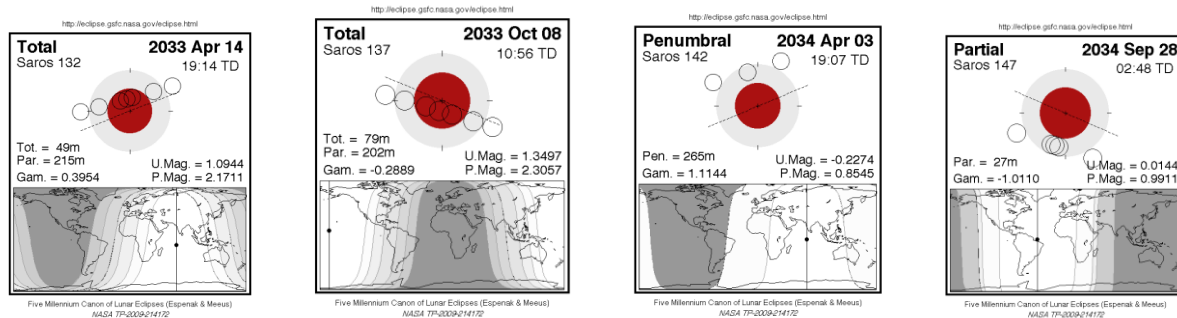


All the matching eclipses, of course, have a 71 Saros count difference.

Now we look at Blood Moon tetrads around the Crucifixion of Jesus and their matches 2001 years later.



Above eclipses around the Crucifixion 32 and 33 AD.
Below matching eclipses 2001 years later 2033 and 2034



Every other eclipse is exactly one lunar year apart. (I.e. April 14 and April 3, Oct. 8 and Sep 28). Note again that all matching 2001 year eclipses are 71 Saros count removed.

Jesus Crucifixion is Saros 71

Again, look at the eclipse which rose on the Crucifixion Apr 3 33 AD. It is Saros 71. The very center of the proof of a real time 2001 years alignment (the 71 Saros count) is also numerically centered on the Christ who died on Saros 71. What are the odds? How do we even conceive of such a thing? There are no odds here, only the Creator.

The peculiar 2032–2033- 2034 sextet.

2032 to 2033 is a Total lunar tetrad, but only 2033 has eclipses on High Holy Days.

2033 and 2034 are on the High Holy Days... but only the ones in 2033 are total eclipses.

Keep that straight three times fast.

Only 2033 has total lunar eclipses on High Holy Days. And the April one is over Jerusalem.

There's unusual dates involved.

April 14 is found prominently. It is one lunar year from Christ's Crucifixion.

April 14 Lincoln shot Passover in 1865

April 14 Titanic hits iceberg 1912,

April 14 Jerusalem siege by Rome begins Passover 70 AD,

April 14 Atom is Split in 1932.

April 14 USA in 1986 launches first airstrikes in Mideast (against Libya)

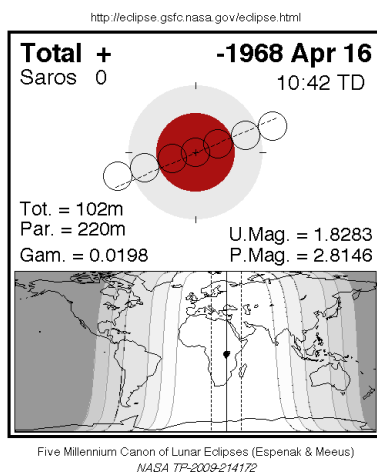
Oct 7 is in the tetrad in 32 AD, 1991 years before infamous attack on Israel in 2023)

April 4 is in tetrads of 14 AD and 2015. Martin Luther King was killed April 4 1968.

April 3, the Date of Crucifixion.

What happens if you go back in Time?

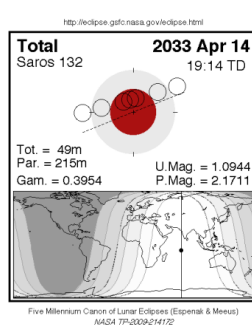
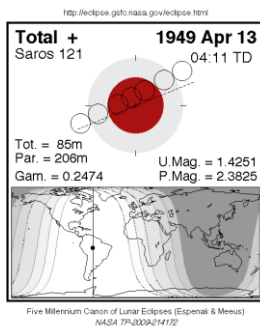
Take the 2001-year 71 Saros count alignment back in time from the Apr 3 Jesus Crucifixion eclipse, and you arrive at this massive eclipse for Saros 0, about the time of Abraham and Isaac, with maximum eclipse over Israel. 13 days off because of Julian Calendar drift.



Here's a run down of some interesting alignments!!!

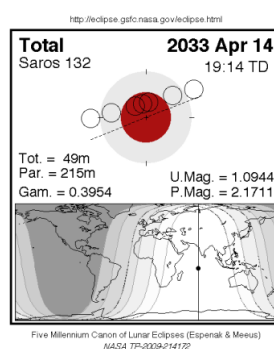
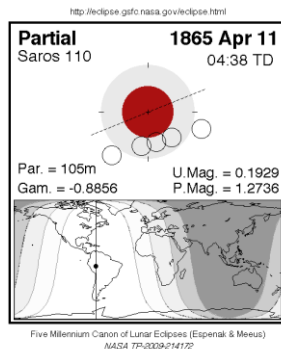
Remember the cycles of 19, 46, 65 and 84 years.

One 84-year Easter Cycle from Israel winning their war of independence in 1949 arrives at year 2033. Here's the Matching eclipses with natural one day progression.



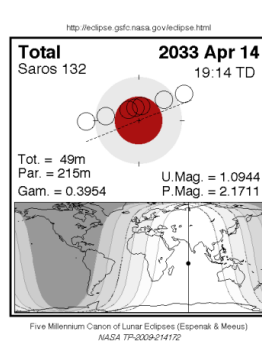
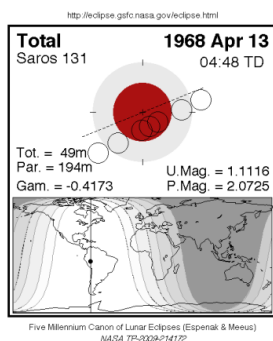
Two Easter Cycles of 84 years (168 years) from assassination of Lincoln April 14 1865 arrives April 14 2033. Lincoln was killed 3 days after a US eclipse.

Here's are matching eclipses with 3 day natural Metonic progression.



65 year Metonic from murder of Martin Luther King April 4 1968 leads to April 2033. A Total lunar eclipse occurred 8 days after his murder in USA.

Here's his matching April eclipse and 2033 match with natural one day progression.

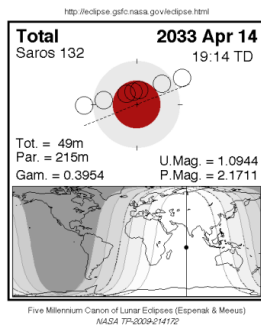
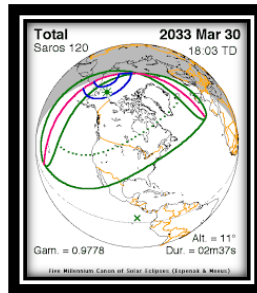


Other Time frames landing on 2033

- 70 year Biblical exile period from Murder of JFK in 1963 leads us to 2033.
- 40 year Generational period from formation of EU in 1993 leads us to 2033
- 40 years from April 1993 launch of Worldwide web leads to April 2033.
- 3000 years from beginning of building Solomons Temple 967 BC leads to 2033.

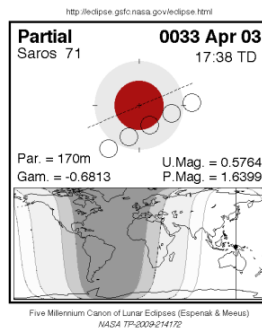
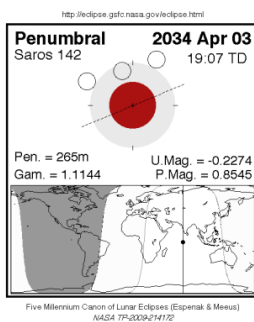
To recap:

I mentioned before: 2000 years exactly from Jesus triumphal entry into Jerusalem a solar eclipse straddles both hemispheres simultaneously March 30 2033.



Also, 2000 solar years plus 11 days from the Crucifixion of Jesus Christ leads us to a total lunar eclipse over Jerusalem on Passover April 14 2033.

Then, the great Jesus Alignment, the 2001 year astronomic cycle, leads us to matching eclipses on crucifixion date of April 3.



Great Realities of the Saros Amazingness!

Remember the Saros is the impossibly precise calendar alignment which ,makes possible eclipse prediction. It's about 18.03 years.

111 Saros Cycles = 2001.33 years. From the Crucifixion, 111 cycles arrives at 2034.

333 Saros Cycles back from 2033 (6004 years) lead us to 3970 BC possible Adam date.

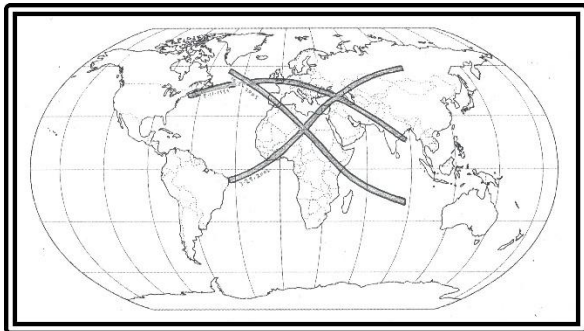
Book of Revelation

2000 lunar years equals 1940 solar years.

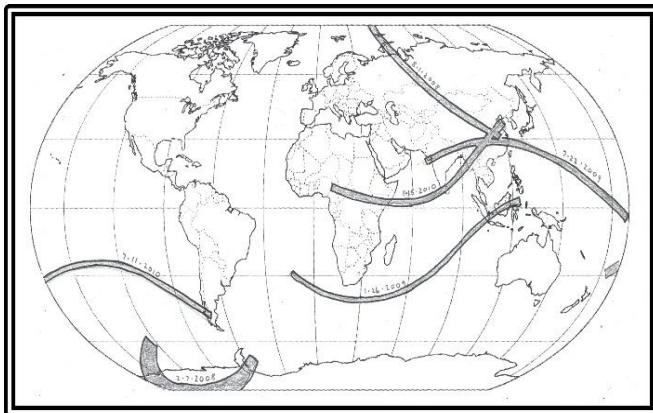
If the Book of Revelation can be dated to 93 AD, as many claim, then the exact 2000th lunar year anniversary of that prophecy is 2033.

Take a Look!

Again, 1999 to 2006 Aleph over the cradle of western civilization



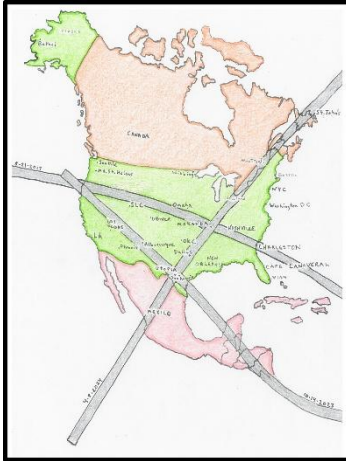
2008 to 2009 China Eclipse Wheel, Totality over Wuhan China July 22 2009, the longest



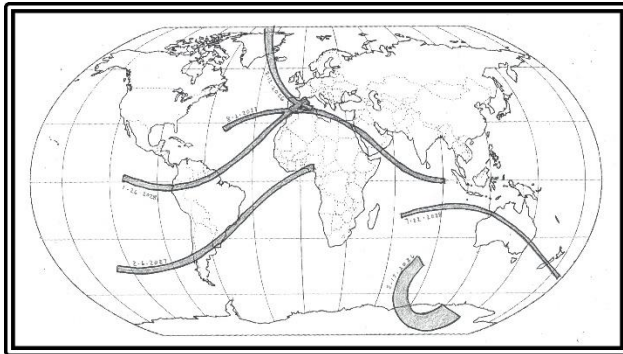
duration total eclipse of the 21st century-ten years before pandemic.

China Wheel Aug 1 2008, Jul 22 2009 and Jan 15 2010

2017 to 2024 USA Little Egypt Aleph, USA divided.

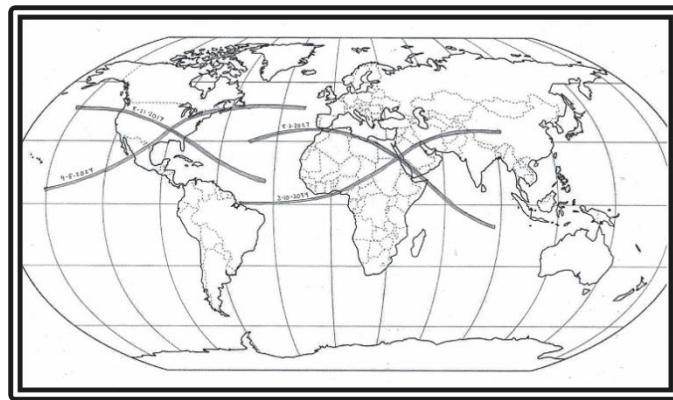


Below: Aug 2026, Aug 2027 and Jan 2028 Spanish Eclipse Wheel created by the same eclipses that made the Chinese wheel.



Spanish Wheel Aug 12 2026 , Aug 2 2027, Jan 26 2028,

Below, Here's the Great Tavs. USA eclipses apex over Little Egypt Illinois. Second Tav apex over Egypt, near valley of the Kings.



Mideast Egyptian Tav of Aug 2 2027 and Mar 20 2034, pictured with USA Tav 2017 to 2024

Exact apex of Egyptian Tav? Tiny St. John's Island, as in Saint John of the Apocalypse.

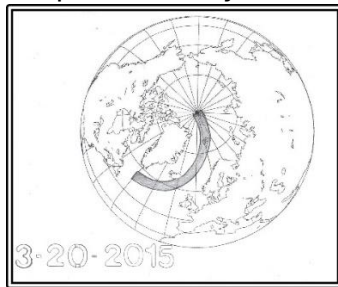


St. John's Island Red Sea photo courtesy of dreamegypttravel.com

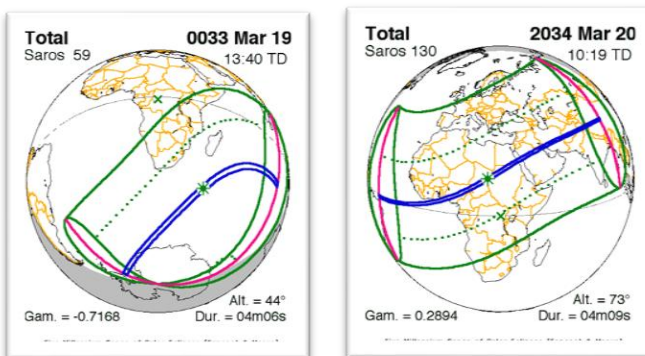
Spring Equinox

Spring Equinox is the ancient first day of the year for agrarian cultures. It currently tends to land on March 20. We live in the midst of a 19 year Metonic Cycle bordered by Spring Equinox total eclipses in 2015 and 2034.

The first Equinox total eclipse in 2015 ended directly at the North Pole, perhaps the first eclipse in history to do so.



Below are 2001 year Matching Solar Eclipses at Spring Equinox. Eclipse of Mar 19/20 33 AD occurred one fortnight before the Crucifixion and Mar 20 2034



God has made his creative powers known in symmetry and anniversary with eclipse cycles and in the cosmic clock. Everything appears to be reaching a maximum expression of meaning and resonance around the current time.

The thousand-year reign of Jesus (Millennium) is definitively presented in The Book of Revelation, the last book of the New Testament.

These had not worshiped the beast or his image and had refused to receive his mark on their forehead or hand. They came to life and reigned with Christ for a thousand years.'

-Rev. 20: 1-5

Signs of the Times:

The final beast system has clearly arrived just as the Bible said It would, happening far faster than anyone supposed. The only way to deal with the coming trouble is a personal relationship with Jesus, who gives us his peace and security through eternal life. Life is better with Jesus. Come out of Babylon. Take a step back from AI. Go take a walk. Look up.

Chapter Two: Maximum Expression, Synchronicity and Resonance

Maximum expression is a term that defines itself. The Universe seems to be a place intended for matter, spirit and life to achieve their maximum expression. Eclipses often mark maximum expressions in historical characters and empires.

Signs of the Times

We live in a story. Stories achieve maximum expression. Our story was written with Free will, and in a sense free will, nature, God and the devil are main characters in this story.

Finally, the villain's created a global machine to destroy free will, and steal souls, forcing a soon conclusion to the story.

40% of Americans admit to saying they feel we are living in the end times, including 25% of non-religious people.

Their greatest clue? The worldwide machine that thinks. But there's also immorality, greed, war etc... but the rise of the global machine is the great clue, with the robots and drones, its currency, its replacement of human labor and creativity. It is automatic tyranny, and without God's intervention, it would likely be permanent. But God is intervening and will intervene.

With that as the backdrop, I present evidence of resonance and synchronicity..

Resonance is an alignment of frequency, motion, sensation or meaning between separate forces. Humans feel resonance intuitively when considering certain patterns or experiences. Example: Songs are typically created using layers of resonant sounds. The listener may listen to that song and feel a resonance.

When that same resonant song plays at just the right time? I call that resonant synchronicity, a beautiful preponderance of peculiarities.

This world connects material and supernatural reality. The marks of those realities can be elusive and fleeting. The only place where time is objectively branded, where sun and moon and history and earth can be sketched in time, is found in the path of a solar eclipse.

It is where time and space stop spinning in circles for a second and we get a look at a snapshot of time written by a shadow.

Solar Eclipses are often great examples of Synchronic Resonance, much like songs.

Synchronicity:

Synchronicity is a term coined by Swiss psychologist **Carl Jung** to describe unusual "meaningful coincidences".

Jung's great synchronicity concerned a golden scarab beetle. While a patient recounted to a dream about a golden scarab beetle, a real golden scarab beetle tapped on the window. Catching it, Jung presented it to her, helping her achieve a therapeutic breakthrough.

What is Resonance?

(from Wikipedia) In physics, Resonance is the physical phenomenon where an external vibration or force matches an object's natural frequency, drastically amplifying the resulting wave's amplitude. It appears across many fields—from acoustics and engineering to chemistry—and describes how sounds prolong, structures vibrate, and ideas or emotions connect.

Resonant Synchronicity, as I define it here, is a persistent sense of connection with a set of coincidences. Song, Art, Poetry and Story express truth in search of resonance. To resonate is to believe in the spiritual truth of something or someone. Perhaps a line in a song, a meadow, a moment, or a God.

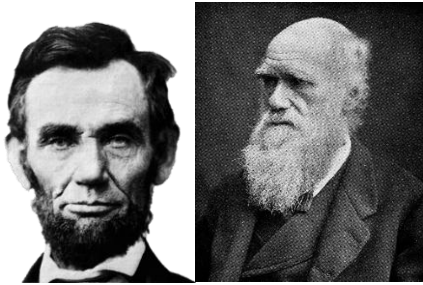
That connection to unutterable meaning often demands a response. It's like stepping to the edge of the Grand Canyon, and you gasp, "Oh my God!"

Perhaps this resonance creates a sensation in the body. You have resonated.

Maybe it's the guitar solo in Hotel California, and you're taken away somewhere (where exactly who knows?) at just the right volume at the right time by the right set of musicians and producers and engineers and decades and car speakers and highway scenery.

When synchronicity encounters historical resonance. It's a special kind of synchronicity. It's a special kind of resonance. The solar eclipse is the foremost example of this phenomenon, and we'll look at those shortly. But first we'll look at some basic historical synchronicities to provide some evidence they exist outside of the common realm of coincidence. It is quite probable (though not certain) that coincidence exists. But it seems far more plausible to prove the existence of synchronicity.

Examples of Historical Synchronicity



1) **Lincoln and Darwin**

Abraham Lincoln and Charles Darwin were born on the exact same day, that day was Feb 12 1809. They are often ranked in the top ten most important people of the last 500 years.

Now about 25 billion people have been born in the last 500 years. The likelihood of 2 of the 10 most influential figures of the last 500 years being born on the same day is around 1 in 40 billion. That is certainly a statistical synchronicity.

Resonance comes in the juxtaposition of these two men. Lincoln was the greatest leader of a western nation to ever free his nation's slaves. A deeply spiritual soul who often quoted the Bible, Lincoln, in his public words, often stated all men were made in the image of God.

Darwin's Origin of Species popularized the theory that we were merely evolved animals. More than any other man, he created the evolutionary model. Born on the same day!

The Origin of Species was published in USA in 1860 and Lincoln was elected 1860. That is resonance, not synchronicity.

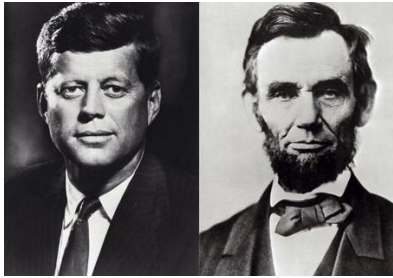
Lincoln was born in a log cabin, while Darwin was born in a palatial estate, juxtaposition as resonance.

Darwin taught the non-existence of free will. Lincoln freed a people from bondage. Those ideas cannot be computed and that connection, where it gets really weird? That is Synchronic resonance.



2) Three Founders of USA die on July 4th Thomas Jefferson and John Adams both died on July 4 1826, the 50th anniversary of the Declaration of Independence. Odds of 133,000 to 1. Monroe died 5 years later on July 4th. All three signed the Declaration. Adding him to the equation made odds against such a happening well into the millions to one range.

3) Lincoln/Kennedy Synchronicity



Seventeen common knowledge synchronicities can be authenticated between the lives and deaths of Abraham Lincoln and John F. Kennedy.

- 1) Lincoln was elected President in 1860. Kennedy in 1960.
- 2) Lincoln was first elected to Congress in 1846. Kennedy in 1946.
- 3) Both were deeply involved in freedom and rights for African-Americans.
- 4) Both were assassinated on a Friday (Lincoln on Good Friday), seated beside their wife.
- 5) Each had lost a son while in office.
- 6) Both were shot in the head from behind.
- 7) Lincoln was killed at Ford's Theater. Kennedy was killed in a Lincoln (made by Ford Co.)
- 8) Both men were succeeded by southerners named Johnson.
- 9) Andrew Johnson was born in 1808. Lyndon Johnson was born in 1908.
- 10) The first name of Lincoln's private secretary was John (John Nicolay). The last name of Kennedy's private secretary was Lincoln. (Evelyn Lincoln)
- 11) Kennedy and Lincoln were apparently assassinated by Southerners who in turn were killed before coming to trial.
- 12) Booth shot Lincoln in a theater and fled to a barn. Oswald shot Kennedy from a warehouse and fled to a theater (*the movie "War is Hell" was playing*).
- 13) The names Lincoln and Kennedy each have 7 letters.
- 14) The names Andrew Johnson and Lyndon Johnson each have 13 letters.
- 15) The names John Wilkes Booth and Lee Harvey Oswald each have 15 letters.
- 16) Abraham is the first prophet of the Bible, in the first book (Gen 20:7) John is the last prophet of the Bible, having penned Revelation.
- 17) *"The first public suggestion that Lincoln be the Republican candidate for president is believed to be a letter written Nov 6 1858 and published in the Cincinnati Gazette. The writer, Israel Green (a druggist in Findlay, Ohio) proposed a ticket of Lincoln for President and John Kennedy for Vice-President."*

The proposed Kennedy was John Pendleton Kennedy, a prominent author and politician, who had been Millard Fillmore's Secretary of the Navy. Greens letter can be found in The Magazine of American History Vol 29 1893 page 282."

(From Martin Gardner originally 1965 reprinted in *Amazing Numbers of Dr Matrix*)

4) Nov. 22 1963-Kennedy, Lewis, Huxley



John Kennedy, a maximum expression of personality and leadership, was the subject of one of the most notorious assassinations of all time, on 11-22-1963.

Within hours of Kennedy death, two of the greatest author/ philosophers of the 20th century also died, CS Lewis and Aldous Huxley.

JFK: A maximum expression of leadership.

CS Lewis: A maximum expression of children's stories and Christian philosophy.

Aldous Huxley: Author of Brave New World (the genre of science fiction's probably greatest work). His extended family were deeply involved with Darwin and Eugenics society.

These three men were among the most influential people of the 20th century. The odds against three such important cultural figures dying on the same day are many thousands to one. That is a Statistical synchronicity.

But the fact God picked maximum expressions of modern Western politics (JFK), modern Christian imagination (Lewis), and scientific philosophical skepticism (Huxley) to die on one day together, that is Synchronic Resonance , and there is no odds for that. It just is.

But the strangeness of 11-22 doesn't end there. It also happens to be one of the oddest numbers in the calendar.

5) The number 11-22

Only twice are repeating doubled monthly and daily digits found in a yearly calendar, on the days Nov.11 (written as 11-11) and Nov. 22. (11-22).

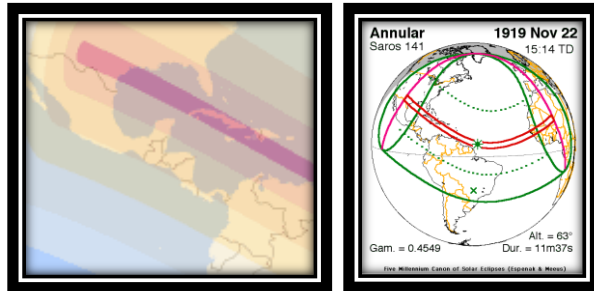
Adding 11 and 22 also equals the very significant number of 33, which has cultural, astronomical and occult significance. Thus JFK, Lewis and Huxley died on an interesting day.

11-11-1918 was Armistice day for WW1, and is still Veteran's day. So the two most unusual dates of the calendar year both accompany two of the most important dates of 20th Century history.

Now only twice per century do those dates of 11-11 and 11-22 also align doubled year dates. In the 1900's those dates were 11-11-1919 and 11-22-1919.

What would be the odds of one of those dates being among the strangest eclipses of all time?

6) : Nov 22 1919 Ring of Fire JFK Death Premonition Eclipse



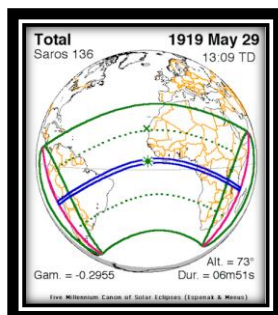
11-22-1919 was one of only two double digit days in the entire 20th century.

That day, the JFK Death Premonition eclipse occurs exactly 44 years before JFK assassination.

An 11 minute and 37 second Ring of Fire Eclipse begins at sunrise in Texas, the state where JFK would be murdered 44 years later. Path begins in Midland Texas, goes over Stonewall, Texas, home to 10-year-old Lyndon Baines Johnson, who replaced JFK as President exactly 44 years later on the afternoon of 11-22-1963. Annularity in capital of Austin and in Houston (where George HW Bush was living). The 11-22-1919 eclipse has 80% coverage in Dallas and 30% coverage at Kennedy's home in Boston.

Path crosses almost entire island of Cuba west to east in their greatest eclipse of the 20th century. Cuba was the nation which JFK's destiny was intertwined with.

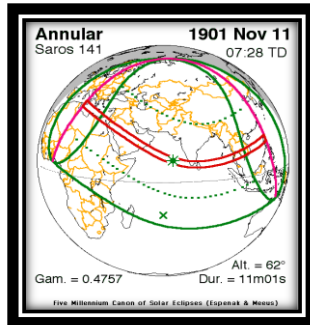
The other solar eclipse in 1919 occurred 177 days prior, on Kennedy's birthday, May 29, 1919.



May 29 1919 Einstein's Eclipse Total (Saros 136)

On John F. Kennedy's second birthday (he was born May 29 1917), Einstein's Theory of Relativity is finally proved by observation of this total solar eclipse. This is considered among the most important cosmic events in the history of science. Two teams, one in Brazil and one in Africa take simultaneous celestial light measurements to prove Einstein's theory correct. The eclipse has the longest total eclipse duration (at nearly 7 minutes) since 1416 AD. Saros Cycle 136 reappears notably in

the Valley of the Kings Eclipse, on August 2 2027.



The 11-11 eclipse of Nov 11, 1901 was the same Saros character that produced the Nov 22 1919 eclipse. It was the third solar eclipse of the 20th Century and occurred on Nov 11, 1901. Look at the strange numbers of that eclipse, found in upper right and lower right corners of map. What are the odds of such things?

It occurs on 11-11-01 with a duration of 11:01. It is saros 141.

That's a lotta ones. Beyond reckoning, of course. Such events timed around specific characters and numbers is unique, and leaves only "coincidence" on the lips of the majority of "experts". Resonant Synchronicity displays impossible odds and unique results.

Only 4 American presidents had eclipses on both birth day and death day show up during their lifetimes, and only Kennedy and Lincoln had them happen repeatedly. See more in appendix.

Example 7) 9-11

Here's a collection of common knowledge facts surrounding the 9-11-2001 attacks, again among the most important events of modern history.

9 1 1 was already the most famous three digit alignment in the USA before the attacks, being the emergency telephone number for North America.

9-11 (Sep.11) is the Ancient Egyptian (and Coptic Christian) New Year (9-11-2001 was New Years Day 6243), the oldest calendar in the world. Mohammed Atta was the only Egyptian hijacker, born on 9-1-1968, 33 years minus 11 days from the attack.

The WTC Twin Towers standing side by side formed a number 11.
Each had 110 stories.

American Airlines (AA) Flight number 11 was the first flight hijacked.
In numerology A is 1, so AA is 11. AA flight 11 is literally 11 11 and Flight 11 11 was the first to fly into the eleven.

Sept. 11, 1609: Manhattan Island discovered by Henry Hudson.

Sep.11 1941: Pentagon had groundbreaking in Washington DC.
(9-11-1941 was beginning of 333rd year since 9-11-1609)

Flight 77 hit the Pentagon. The Pentagon is 77 feet tall.

The State of New York was the 11th State added to the Union.

After September 11th there are 111 days left in the year.

Sep. 11, 2002 : Exactly one year after 9/11 attacks the winning numbers in New York 3 digit lottery were: 9 - 1 - 1

George W. Bush -11 Letters

Colin Powell- 11 letters

Trade Center - 11 letters

The Pentagon - 11 Letters.

Afghanistan - 11 Letters.

Bill Clinton is 11 letters

Donald Trump is 11 letters

Barack Obama is 11 Letters

Joseph Biden is 11 letters

Desert Storm: 11 letters

Twelve Day War: 11 letters

Charlie Kirk: 11 letters



Here's Bart Simpson from 1997 in front of a newspaper (held up by Lisa) with an image of twin towers after the number "9".

Those are statistical synchronicities, but any resonance?

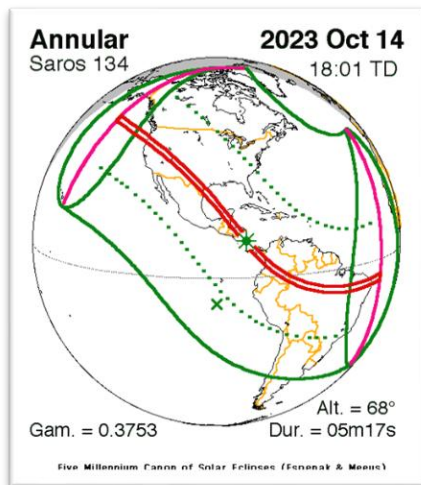
Example 8: Charlie Kirk

A note on Charlie Kirk

- Kirk means church in Scottish etymology. Charles means free man.
- In simple etymological riddle form, Free man's Church was murdered Sep 10 2025.
- That was three days after a total lunar eclipse at moonrise over Jerusalem. It was the first moonrise lunar eclipse there in years, and happened on the exact
- 1955th anniversary of the Roman destruction of the last Jewish resistance in the siege of Jerusalem Sep 8 70 AD.

1955 years is exactly 5 Grattan Guinness cycles.

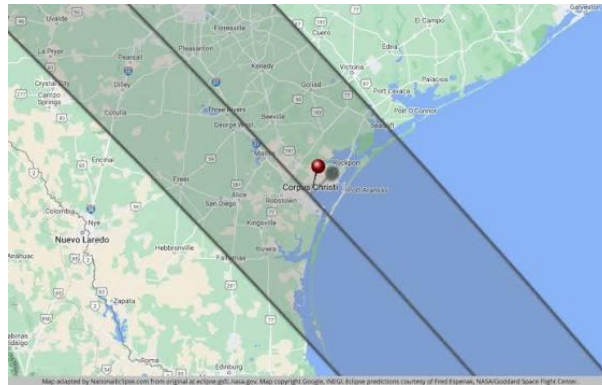
- Peak eclipse in Jerusalem that night was 9:11 pm.
- Charlie Kirk was effectively killed on September 11. The 9/11 attacks of 2001 and Kirk's murder occurred **23.998 solar years** apart, only a 14 hour difference over 24 years. When Kirk was murdered, half the world was already Sep. 11.
- September 11 is the Ancient Egyptian New Year, and is still New Year's Day for the Coptic Church of Egypt.
- Sept 10 was 90 years after one of America's other most famous assassinations, populist Huey Long of Louisiana was killed Sep 10 1935.
- Remember the USA ring of fire eclipse October 14 2023 that stretched across the USA and South America? It was the first eclipse to connect the continents in such a way in 600 years.



That day was Charlie Kirk's 30th birthday! He was born Oct.14 1993

Charlie's 30th birthday eclipse crossed directly over the four corners, bringing ring of fire to both current home state of Arizona (also home to Turning Point USA) and to Utah, the state where he was killed.

It exited the USA centerline at Corpus Christi, or body of Christ.



The eclipse occurred 7 days after the Oct 7 attacks in Israel.

Every eclipse path in the USA since Kirk's birth in 1993 directly touched either Illinois, Utah or Arizona, the states where he lived and died.

May 10 1994 (Illinois and Arizona)

May 20 2012 (Utah and Arizona-day before 1st TV appearance)

Aug 21 2017 (Illinois)

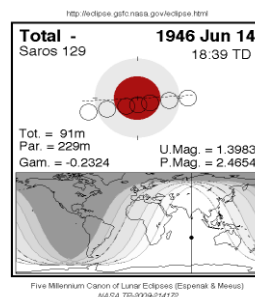
Oct 14 2023 (Four Corners on his birth day)

Apr 8 2024 (Illinois)

Example 9:

Donald Trump was born on the day of total lunar eclipse (over Jerusalem)

June 14 1946.



The baseline odds of an individual being born on the exact day of a total lunar eclipse and subsequently becoming the President of the United States are (apparently) **1 in 1.3 billion (or 0.000000077%)**.

Donald Trump's eclipse was exactly 167 eclipse seasons from the eclipse that preceded Kirk's murder by three days.

Donald Trump is the only known famous leader in history born on a total lunar eclipse. His birth at 10:54 am on June 14, 1946 coincided almost exactly with the beginning of the eclipse in Jerusalem.

Example 10: Popes

Pope Francis died on Rome Day April 21 2025, celebrated as the 2777th birthday of Rome. It was also Easter Monday. Odds are 1 in 83000 of that occurrence.

John Paul II was born on a solar eclipse (May 18 1920) and was buried on a solar eclipse (April 8 2005). A pope born and buried on a solar eclipse? Odds are also one in 83000.

In the famous book Prophecy of the Popes, written in either the 12th or the 16th century, the 110th Pope (which would turn out to be John Paul II was given the motto the "eclipse of the sun.

Sun and Moon are Maximum Expression of Synchronic Resonance

Sun and Moon being same size in the sky for any random planet between 1 in 100000 to 1 in a million...Odds of it occurring on a planet with intelligent life? There are no odds. It just is.

Eclipse Miracle:

The Sun is the Same Size as the Moon in the Sky

The greatest and easiest example of God's resonant synchronicity. The sun is 400 times bigger than the moon and also 400 times further away. Therefore, sun and moon appear the same size in the sky. That is, of course, virtually impossible to occur by chance on a planet filled with intelligent beings, and would be aesthetic proof of design to all but the most antagonistic skeptic.

While it's now commonplace to read of the sun/moon alignment being the "greatest coincidence" in all the cosmos, up until a decade ago, knowledge of the precise nature of this alignment was suppressed or ignored by academia. So thorough was the suppression that few people today realize it's the case. A case study which seems to support that this was a deliberate suppression(involving Carl Sagan) is presented later in the book.

Aesthetic Proof of Design

The formation of intelligent life required a great deal of favorable conditions. The cosmic, molecular and biological synchronicities necessary for existence provide a continually growing body of evidence for an intelligent and active Designer (see the appendix). Nevertheless, such evidence is dismissed as coincidence by scientific orthodoxy.

While the science of Intelligent Design is generally focused on the extraordinary balance of physical conditions necessary for life, a much-neglected piece of evidence for Intelligent Design is found outside of necessity. Aesthetic (meaning artistic) evidence is placed directly in view of all the world, the symmetry of the two visible spheres in the sky.

Facts about the Apparent Size: The sun and moon are both .5-degree angular diameter in earth's 360-degree sky. That's about the size of a pea held at arm's length. Both Sun and Moon often seem to appear larger than that, particularly when they rise and set, but that psychological illusion typically has to do with horizons. The sun is essentially the same apparent size as the moon in the sky.

They are NOT always exactly the same Size!

The orbits of the Moon around the Earth, and the Earth around the Sun are not perfectly circular but slightly elliptical, so angular diameters vary a bit. Still, the similarity in size remains very close. Sun and Moon average 98% similarity in size. So, on average, if you use a pea, 98% similarity would be the difference between a pea that was 12 millimeters wide and one that was 11.76 millimeters held at arm's length. The difference between the apparent size of those peas would be .24 millimeters, equal to about twice the width of a human hair perceived at a three-

foot distance. If you considered basketballs held at 80-foot distances. 98 % similarity would mean one basketball was 25.6 centimeters wide and the other 25.1 centimeters from 80 feet away. Obviously, there could be little perceptible difference...and perception is what this phenomenon is all about.

Such is the difference between average distances. The average, as we all know, is rarely the reality. As the moon's orbit swings between 225 and 253 thousand miles away, it can regularly line up nearly perfectly with the sun so that the percentage similarity shifts to 100%. The recent hybrid eclipse in Exmouth, Australia in 2023 featured an astounding 100.00% coverage, and every total eclipse features areas on the fringes of the path with 100.00% coverage. When the moon is closer to earth and the apparent size of the Moon appears slightly larger than the sun, from 101% up to 104%, it allows for the perfection of the total solar eclipse phenomenon.

Because the Moon's orbit seems to be moving away from earth (apparently 1.5 inches a year), astronomers tend to say that in the distant past, the moon appeared much larger than the Sun. Likewise, in the distant future, the Moon would appear smaller. If this is the case, intelligent life appeared upon earth while the Sun/Moon diameter is essentially identical.

Facts and figures:

Actual sizes: The Sun is 865,370 miles.

The diameter of the Moon is 2,159 miles.

There is about a 400.5 to 1 size ratio between sun and moon. That doesn't change.

Actual distances: The Sun is an "average" of 93 million miles from earth, but actual distance can vary between 91.5 million miles (147 million km) and 94.5 million miles (152 million km).

The orbit makes the Alignment Shift Slightly

Earth's orbit is also an ellipse. Over the course of the year, earth moves closest to the Sun (called perihelion), usually around January 3rd. It reaches its farthest position from the Sun (called aphelion) around July 4th.

The Moon's orbit around the Earth is also elliptical and varies between 225,000 thousand miles (called perigee) and 252,000 miles (called apogee) over the course of 27 days. On average, the Moon is 238,000 miles away. In other words, two elliptical orbits are at work with earth, sun and moon, constantly changing the perceived angular diameters of sun and moon by very slight degrees. Generally, even the most detail-oriented astronomers just simply say the sun is 400 times bigger than moon and 400 times further away. For one instance, when the Sun is 92 million miles away and the moon is 230 thousand, the Moon is exactly 400 times closer than the Sun.

Comprehending the Actual Sizes and Distances Involved

To comprehend the scale of this cosmic reality is not easy. The vast sizes and distances involved are impossible to simulate in a book. You just can't draw a picture of an object that is 400 times bigger and 400 times further away than something and then put it on a page. It must be done with images made of words.

We'll substitute a one-foot wide (30cm) basketball for planet earth.

The Moon will then be a softball, about 4 inches (10 cm) wide. At that size ratio, the moon will be 34 feet away from Earth, a lot farther than many people realize.

Given that model ratio of the earth as a basketball and the moon as a softball 34 feet away, how big and far away is the sun? Well, the Sun would be a sphere the size of a 15-story building (133 feet in each direction) located about 2 ½ miles away from the basketball.

This gives some idea of the scale which we are dealing with.

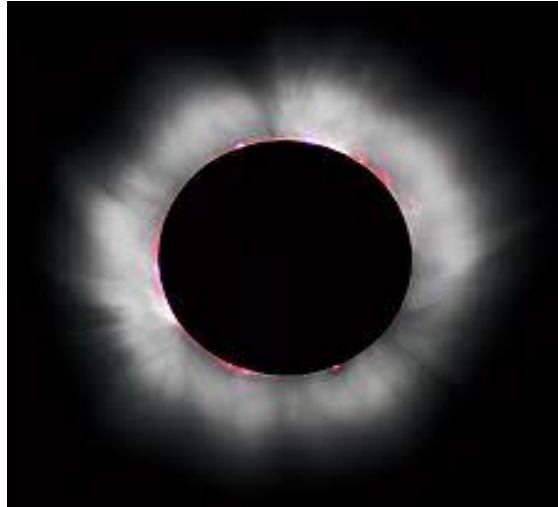
It's tough to comprehend this. During a total solar eclipse, sun and moon line up perfectly. They line up so perfectly that sunlight often actually ripples through valleys of the lunar surface, creating what are known as "Bailey's Beads". It's all quite impossible. But here we are, thinking about it! Peculiar, don't you think?

What were we taught?

Below is a quote defining solar eclipses from *Kids Britannica*, a popular online educational resource. It is by no means unique. Indeed, it's the common description of solar eclipses in both children's and adult educational material, and it certainly sums up the explanations I remember from my youth:

In a solar eclipse the Moon passes between the Sun and Earth. This prevents the Sun's light from reaching Earth. As the Moon passes in front of the Sun, the Moon's shadow sweeps across Earth. The sky gradually grows darker. --Kids Britannica. com

That's it. While nothing about this explanation is patently untrue, it omits a rather interesting fact. Namely, the sun is the same size as the moon in sky! The alignment that allows for the most unusual qualities of the phenomenon, such as the corona, is ignored. As it turns out, generations of scientists, even eclipse specialists, found ways to downplay that truth.



Total Solar Eclipse—Photo from NASA

What is a Solar Eclipse?

A solar eclipse happens when the moon goes in front of the sun, from our perspective.

Of course, any object can eclipse any other object depending on distance and perspective. I can eclipse a cat from your perspective if I walk in front of it. You can also eclipse a hundred-foot tree with your thumb if the tree is far enough away. You can do the same with a mountain, or a million galaxies for that matter. The action of eclipse is an action of perspective. There is a distinctive difference in these analogies and the reality of the solar eclipse. Sticking my thumb out may eclipse a tree, but it does not cast a perfect small tree-like shadow. Also, the tree is not an enormous cosmic light furnace nor my thumb an orbiting satellite.

The alignment of sun and moon to our perspective, and the shadow cast by their alignment are what make solar eclipses peculiar.

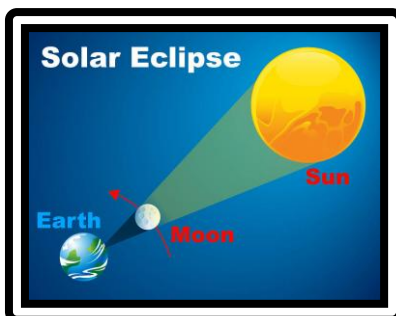
About Lunar Eclipses

Lunar eclipses are very different from solar eclipses. In lunar eclipses, the moon simply enters the earth's shadow. There is a darkening of the lunar surface, not an obscuring of the surface, as what happens in a solar eclipse.

The Shadow

One of the oddest elements of the total solar eclipse is the nature of that darkest part of the shadow which reaches the earth, called the umbra. The moon's umbral shadow during a total solar eclipse is anywhere from $\frac{1}{2}$ mile to 150 miles wide, far smaller than the diameter of the moon. There are different parts to a shadow. The center point of a shadow, the umbra, is the darkest part of the moon's shadow. During a total eclipse, the moon creates a pinpoint shadow on earth as it goes before the sun.

Image courtesy of NASA.



Because the moon is so perfectly positioned, the Umbral shadow works like the tip of a cosmic pen when it reaches the earth. This pen writes the hieroglyphic shadows we will consider.

A larger area of partial shadow extends thousands of miles out from the narrow umbral path.

Solar eclipses only happen at new moon, when the Moon is closest to the plane of the Earth's orbit. If the Moon were in a perfectly circular orbit and in the same orbital plane as Earth, there would be total solar eclipses every new moon. But because the Moon's orbit is tilted at about 5 degrees to Earth's orbit, its shadow usually misses Earth. This creates both geographic variation and rarity.

The moon varies in distance from earth every day. (Roughly 222,000 miles to 253,000 miles away). That difference in distance changes the nature of eclipses. The moon is closest to the earth for total eclipses and farther away for ring of fires.

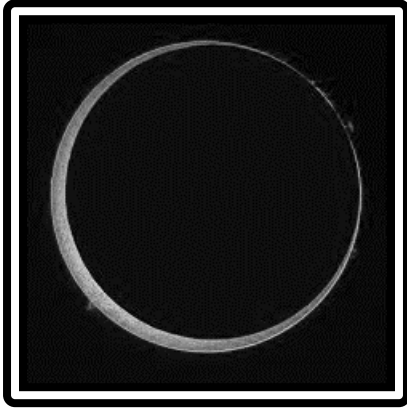
Solar (and lunar) eclipses happen during eclipse “seasons”. Eclipse seasons occur every year separated by 173-day spans (though you’ll often see 177 day intervals for actual eclipses). Two eclipse seasons make up an eclipse (Draconic) year of 346.62 days. Some kind of solar eclipse will happen during each of these seasons. About a third of them are partials.

There are 4 types of solar eclipses:



Partial solar eclipses are just what they sound like. The moon only partly goes in front of the sun. Partial solar eclipses comprise about 35% of all eclipses. Some of these can be impressive, but many can easily occur without anyone visually noticing. This book does not chronicle partial eclipses except occasionally as they relate to dates. Complete eclipses create a large area of partiality as well. Most online resources map this entire area. I avoid mapping partial areas as they are distracting.

Photo courtesy NASA



Ring of Fire (Annular) Eclipses (left) are a “complete” eclipse. The moon goes in front of the sun completely. However, the moon is slightly farther away from earth than it is for total eclipses, so the disc of the moon leaves a sunny Ring of Fire around its dark face. They comprise about a third of solar eclipses.

Photo courtesy NASA

Hybrid Eclipses are part “ring of fire” and part total. A path of annularity (ring of fire) will be mixed with a brief total eclipse in a very thin line. Thus, during a Hybrid, the

apparent size of the moon is very closely aligned with the apparent diameter of the sun. It will be very close to a 100% match. The May 9 1948 solar eclipse (classified as a ring of fire by some) that divided North and South Korea was 99.9999% total. The Exmouth Australia Hybrid 420 eclipse of Apr 20 2023 had an incredible 100.00% coverage. The Hybrid eclipse that passed near San Francisco on April 28 1930 had a path of totality only 1/3 of a mile wide, not much more than a big city block, and totality would have lasted a few seconds. Hybrids are the rarest complete eclipse, comprising less than 5% of all solar eclipses.



Total eclipses have been called “the grandest spectacle in all of nature”. On many levels they are, aside from supernovas, the rarest possible cosmic phenomenon visible from earth. Far less humans have seen a total eclipse than have seen a comet. Total eclipses require not only alignment between Sun and Moon but a lucky placement of the observer. Total solar eclipses occur on average about once every 18 months somewhere on earth. But they appear very rarely at any given place on Earth, on average perhaps once every 375 to 400 years, depending on who is calculating.

Photo courtesy NASA

Annular eclipses are as rare as totals but tend to have a slightly wider path of “annularity”. So it may be that any given spot on earth averages a complete eclipse of some kind every 150 years or so. Averages are rarely realities. The vast majority of people live and die without ever seeing a complete eclipse, be it total, hybrid, or ring of fire. Many people have the opportunity to witness a partial solar eclipse at some point, depending on weather.

Are Solar Eclipses Rare?

Good question. It depends on what you define as rare. Some information sources insist that solar eclipses are common. For instance, *Space.com* says this on its website:

"It's a popular misconception that solar eclipses are rare, but, in fact, they happen on average once every eighteen months". -Space.com

Hmm. Well, there we go. But what is rarity? Is a moving thin line shadow turning day to night for a few minutes on 1/400th of a planet's surface once every 18 months rare? Depends on your perspective, I suppose. Such an event seems to me quite rare. Solar eclipses certainly don't happen a lot in any one place. Indeed, complete (especially total) solar eclipses can go a *very* long time without returning to any specific location.

Is this Rare? The entire continental USA (all 48 states) went 38 years without a total eclipse in its boundaries between the eclipses of 1979 and 2017. Those two eclipses combined brought totality to much less than 10% of the USA's land mass. From the birth of the USA in 1776 to 2026, there were only 20 total solar eclipses within the boundaries of the continental USA. That means that a total solar eclipse occurred in the USA .0002% of the days. All told, less than 2 hours in 250 years was spent with somewhere in the USA in totality. Seems pretty rare. But then, I'm no expert, like space.com!

Rome hasn't had a total eclipse since 1386.

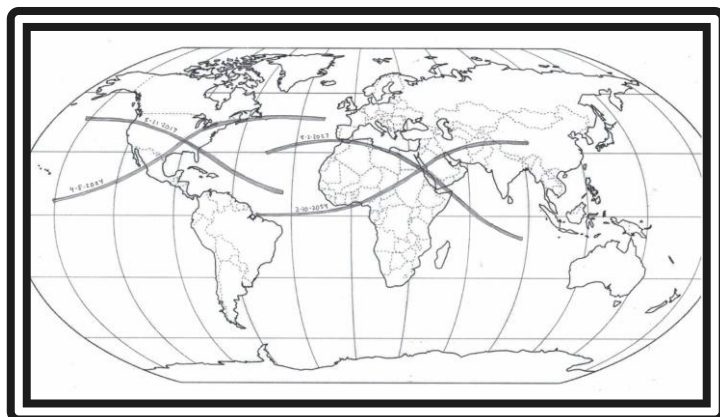
Toronto has not had a Total Solar Eclipse since 1142.

Sacramento has not had one since 1084.

Jerusalem's last Total solar eclipse was in 993 AD and won't have another until the 2300's.

Computing all those endless possibilities is not really the issue. The reality is this: the earth is a big place, about 200 million square miles. The path of a complete eclipse is usually between 50 and 150 miles wide, and can go for maybe ten thousand miles. The path of a total eclipse can thus roughly cover an average of about 500,000 to 700,000 square miles. There is only one total eclipse on average every 18 months, and it only takes a few hours to traverse its path. It brings totality to any spot for 7 minutes or less. Any one spot has about a one in 400 chance of seeing one any year.

Here is that image again. The apexes of Little Egypt and Egypt each receiving two total solar eclipses within seven years.



Is truth served by saying solar eclipses are not rare? Are “popular misconceptions” needing to be corrected? What's nearly as peculiar as the solar eclipses themselves are the repeated assertions that they *aren't* exceptionally peculiar. It's odd to live in such a miraculous world where deliberate efforts are made to downplay how amazingly bizarre our situation is. Perhaps it is precisely the rarity of the complete solar eclipse that allows for its non-consideration, for lack of a better word. They occur infrequently enough that they can be easily glossed over, even by many astronomers!

Certain astonishing facts of existence are either hidden from us by clever obfuscation or denigrated as “coincidence.” Whether it's intentional or not is beside the point. What might this mean for the way we have viewed reality, the way we perceive our setting, history and each other?

How about the moon? Is it peculiar?

The Moon is Big (relatively): Earth's moon is by far the most significant satellite around any rocky planet in the solar system. Mercury and Venus have no moons. Mars' moons are tiny odd-shaped rocks, barely 15 miles across. All the big moons in the solar system outside of ours belong to the Gas giants. The largest satellite in the solar system, Jupiter's Ganymede, is only 1000 miles wider than our moon. Pluto and Charon at the edge of the solar system are a dual dwarf planet system, being only 12,000 miles apart. Frozen Pluto is smaller than the moon and Charon is a mere 700 miles across.

The moon makes the tides and more: The moon is the primary force creating our ocean tides, stirring the water and cleaning the seas. Life as we know it would likely be impossible without the moon. Also, the moon stabilizes the earth's rotation, making for a more consistent climate and acts as an asteroid shield.

I've Just Seen a face: The moon shows only one face to the earth. It rotates on its axis at the exact same rate which it revolves around the earth. This phenomenon is called tidal locking.

We have bright moonlight! Who else has that?: We have the brightest moonlight known in the Cosmos. Our bright moon gives nighttime a distinct character with phases that also allow for the establishment of chronological time by creating observable months. and establishes circadian body rhythms in animals and humans. It encourages diverse nocturnal animals.

How about the Sun?

Perfect Sphere: The Sun is the closest thing to a perfect sphere yet observed in nature. It has less than a six mile difference in diameter between north and south axis, despite being 865,000 miles wide.

We are in the perfect place: The huge fusion furnace of the sun provides the source of all life. The Sun holds us in a favorable “Goldilocks Zone”; not too close, not too far...just right! The sun creates proper photosynthesis for plants and proper UV light.

How about the Earth? Are we Peculiar?

We have life: Earth is the only known planet where life exists. Some type of life is found in virtually every place on the surface of earth.

Nice Rotation: Earth's rotational speed is just right for life. If the earth rotated on its axis slower, life would die from overexposure to either heat or cold. Faster rotation would cause environmental chaos.

Right distance from the Moon too: The earth is just the right distance from the moon. If the moon were much closer, huge tides would overflow onto the landscapes. If it were much further away, we would not have our beneficial cleansing tides.

Cool Water: The earth is the only planet known to contain large bodies of liquid water. 70% of the earth is water. Water stabilizes the earth's temperature and provides the chemical foundation for life.

Good gases too: The mixture of gases in our atmosphere is perfect for life. If this chemistry was changed even very slightly, the atmosphere would become poisonous or volatile.

Good size and nice Magnetic Field: Earth is a good-sized planet for life, with excellent gravitational conditions. The earth also has a powerful electro-magnetic shield that protects us from radiation, and an ozone layer to protect us from UV.

We're here: There are intelligent beings on Earth capable of considering such phenomenon. Love, memory, worship, self-sacrifice, music, dance and dreams are peculiar to Earth.

An order that “educates” us to not reckon such peculiarities as the gift of a Creator is peculiar.

How about the Universe? Is it Peculiar?

A wealth of information exists about the many atomic, chemical and gravitational variables finely tuned to allow for any matter at all to properly exist as we know it. Suffice it to say that even being here is practically impossible. Despite this, for nearly 200 years an institutional dogma has taught that everything popped out of nothing for no particular reason at all.

Is life Peculiar? Of course. True Peculiarity is relational.

Existence is odd. Our environment is peculiarly suited to existence. Our ability to intelligently consider this environment and existence is perhaps the strangest reality of all. When you have such a “preponderance of peculiarities”, it is reasonable to consider them as evidence of

meaning, function and authorship. Odds against intelligent life's coincidental development are so great as to be incalculable. Some say billions to one, some trillions to one. No one has any clue because no one's ever been able to make life happen without previous life already existing. As absurd as these tremendous numbers and conjectures are, many maintain the possibility for coincidence.

But at some point, possibility of coincidence must become impossible. When is that Point?

Some peculiarities seem to demand assessment. When does a phenomenon cease to have the possibility for coincidence? This is not a little question. Can one always say something is coincidence? If your missing wallet turns up in my pocket, should you first turn to the law of coincidence to explain it? We were born into a world that has instituted a coincidental worldview. A kind of "law of coincidence" is tacitly enforced among educational institutions. Any talk of design is dismissed, and its advocates "canceled" and denigrated.

If we pretend life is coincidence, society will reflect that belief. Origin stories have significance. They form the basis of belief systems which lead directly to actions. We will believe *something*, after all.

Tyrants once at least felt obligated to offer lip service to religious faith. They now substitute an evolutionary theology to justify their deeds. Networks of entrenched "experts" assume the right to give meaning and take away meaning, at their discretion. They exert power to censor pattern recognition that makes them uncomfortable.

In other words: They've got their story, and they're sticking to it! I sincerely bless them and wish them well. I have tried to ignore God a few times in my life too. It's not very fun.

If life is a coincidence, then there is no active God. If there is no active God, there is no moral responsibility. If there is no moral responsibility, there can be no organic social order. Without moral law, social order exists only as it is imposed by intimidation and brute force. Considering the difference between a design and coincidence worldview is not just a philosophical exercise.

The possibility of our reality being coincidence evaporates in the face of a total solar eclipse. Math turns into music when the sun/moon alignment is really listened to. After all the improbably fine-tuned conditions for existence are met on a single beautiful diverse planet, it also just so happens that the sun is the same size as the moon in our sky. It's clearly an aesthetic touch that resonates with deep symbolism about perspective and story, light and darkness.

In any normal story, this great truth would be marveled at the world over, especially since we figured out scientifically just how precise this alignment is. But there is yet more evidence of authorship.

The Mind-Blowing Reality of the Draco-Metonic Calendar.

Let's approach again perhaps the greatest peculiarity in the shared reality we call Time. The Metonic, Draco-Metonic and the Saros Calendars.

The Metonic Cycle is simultaneously 19 solar years and 235 lunar months.

The Draco-Metonic Cycle is simultaneously 19 solar years and 20 draconic years.

The Saros Cycle is simultaneously 19 eclipse Years and 20 solar years minus one lunar year.

That may not make much sense right now, but stay with me.

The Metonic Cycle

The Metonic Cycle is an intersection of the lunar and solar calendars described 2500 years ago by Meton of Athens. It involves the alignment of 19 Solar Years with 235 lunar months. At every moment, we have the same lunar phase as it was 19 years ago and 19 years in the future.

A Solar year is 365.2422 days. So $365.24 \times 19 = 6,939.60$ days

A Lunar month is 29.5302 days. So $29.53 \times 235 = 6,939.68$ days

This is usually rounded to 6940 days.

The difference between 19 solar years and 235 Lunar months is only about two hours. In other words, these cosmic patterns align with each other nearly perfectly every 19 solar years.

19 years ago was a lot like today.

What does that mean? It means that if there is a new moon tonight, there will be a new moon 19 years from now on this same date, with two hours lag time. If there is a full moon tonight, or a crescent, or a quarter moon, or any phase, that exact same phase occurs again in 19 years. Likewise, 19 years ago on this date, there was also the same phase of the moon. After about 240 years, the date finally shifts ahead in a very long and hard to fathom cycle.

It's not a mathematical or gravitational necessity that the two primary astronomical calendars of humanity should align in such an accessible time frame as every 19 years. They could just as easily have aligned for the first time after 214 years or 2,378 years, given different orbital realities.

The 19-year Metonic is a convenient synchronicity still utilized for calculating movable feasts such as Easter. This 19-year cycle was known to the Celts, who used it as their "Great Year". It was also used by the Egyptians, Babylonians, Mayan, Chinese and other ancient societies. It is still a fundamental calendar reality for the Bahai Faith. As interesting as it is to have such an alignment, the synchronicity becomes astonishing when we consider the full Draco-Metonic Reality. But first we should learn about the Draconic Year, the "eclipse year", the year most of us have never heard of.

The Dragon Year.

There is a type of year hardly anyone knows about except astronomers and alchemists. But it *is* a year, nevertheless. Considering the Eclipse Year is vital for the peculiarities presented in this book. The Eclipse Year is also called the Draconic Year. Draconic means “dragon”, as in the dragon that eats the sun, probably in reference to Chinese folk belief. China has maintained the oldest continuous astronomical studies on earth.

The eclipse year is 346.62 days. It's the return of the moon to the same eclipse node in the sky as the sun. An eclipse season is 173 days, where the moon is in the exact opposite node. The eclipse month, or Draconic month, is 27.212220 days, the time it takes for the moon to return to the “node” of the eclipse plane.

The eclipse month involves a different cosmic perspective than a lunar month or a solar year. The Eclipse month is an alignment irrelevant to both solar and lunar calendars. It is difficult and possibly misleading for me to try and portray the cosmic draconic positions (with their vast scale and movements) in a graph illustration. So I don't try. Check online.

Trust that there is truly an ecliptic plane which sun and moon periodically cross. The moon has its “month” of crossing that ecliptic plane.

Draco-Metonic Cycle Alignment:

This is where it gets amazing. Remember that 19-year spot of the Metonic where:

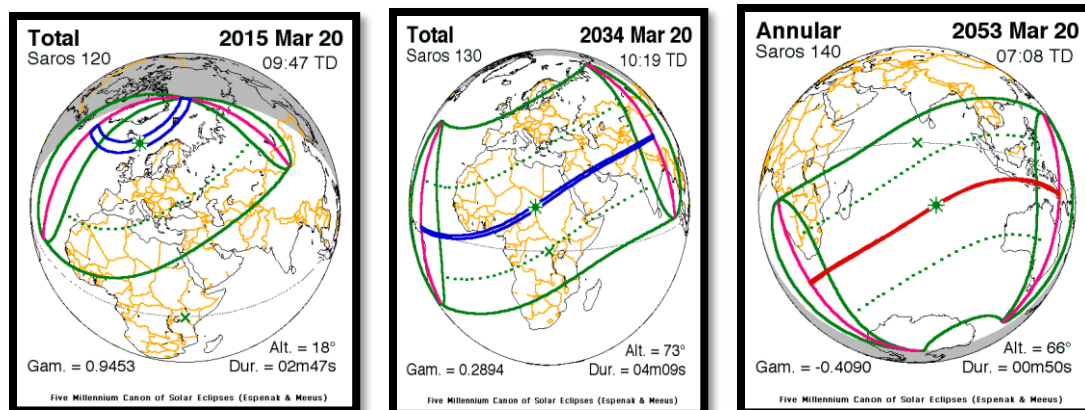
19 Solar Years(19 x 365.24 days) is 6,939.60 days....and...

235 lunar months (235 x 29.53 days) is 6,939.68 days...well...it turns out:

255 Draconic months (255 x 27.212 days) is 6,939.11 days!

Only hours over the course of almost two decades separate three completely different arrangements of time at the 19-year mark. The result: These calendars are close enough that eclipses **often repeat on the same days of the year** every 19 years for up to a century.

For instance: there was a solar eclipse on March 20 2015. There is another eclipse 19 years later on March 20 2034, and still another 19 years later on March 20 2053.



Of fifty complete eclipses on planet earth in those 38 years, three occur on March 20. Repeating eclipses on specific calendar dates. How could that be? How weird is that?

This seems an almost impossible co-ordination. This truth is likely only known to a few astronomers (and perhaps alchemists), and almost totally untaught in schools of the world, be they academic, astronomical or theological. The Draco-Metonic Cycle would seem to be **the** maximum expression of calendar peculiarity. Calendar synchronism of this magnitude almost inevitably points to a Clockmaker, and perhaps it is this glaring fact which keeps it from the institutions of higher learning.

It's ok if you don't get it all at once. I didn't. By the end of this book, it should be second-nature.

Again, the Draco-Metonic is the alignment of 3 Calendars at precisely 19 solar years. The other great alignment, the Saros Cycle, is the alignment of 3 calendars at 19 eclipse years.

The Saros Cycle—The Eclipse Personalities

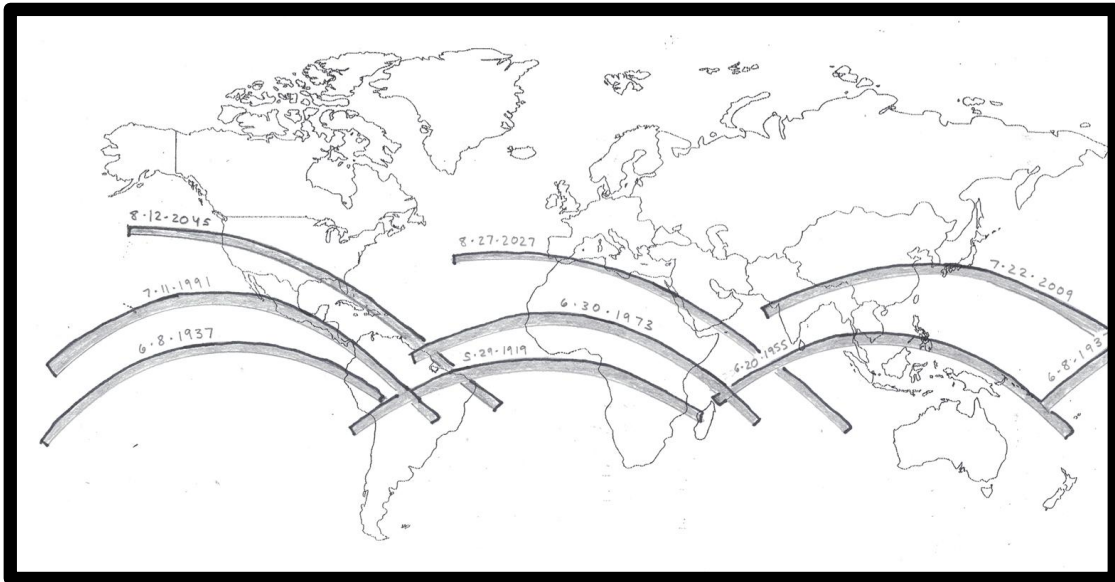
The Saros Cycle is the other piece of this Cosmic puzzle. Its incredible reality allows for the science of eclipse prediction. Importantly, the Saros Cycle helps define eclipses as individual personalities, about 40 of them are “alive” at any one time, and each has been given a number.

These Saros personalities repeatedly grace the earth with unique geometric shadow patterns returning on a clockwork of 18 years 11 days and 8 hours (19 draconic years).

Alone in all cosmic phenomenon, the Saros cycle most resembles a lifespan. Each Saros is composed of around 70 “events” occurring like clockwork 18 years 11 days and 8 hours apart about 1/3 of the globe away (east to west) from the last eclipse. Born as partial eclipses, they mature into complete eclipses and slowly die as partials, having lived about a thousand years.

Example-Saros 136

Here is a 120 year slice of life of the great Saros Cycle 136 from 1919 to 2045.



Each of these eclipses connects certain places at certain times. Let's look at the obvious connections these eclipses make in the map of the one Saros pictured above.

1919 (May 29) Einstein's Eclipse. Theory of Relativity proved by this eclipse on JFK's 2nd birthday.

1937 (June 8) Pacific Ocean to South America

1955 (June 20) Vietnam War the longest duration solar eclipse of the last millennium goes over Vietnam and SE Asia the same year the Vietnam war officially begins.

1973 (June 30) Africa Occurs in the heart of two decades of African independence. 40 nations became independent between 1960 and 1978.

1991 (July 11) Hawaii/Central America occurs during three wars in central America.

2009 (July 22) Wuhan Wuhan China in totality 10 years before pandemic.

2027 (Aug 2) Valley of the Kings/Rock of Gibraltar/Mecca

2045 (Aug 12) USA

You can see how connections might be made , and how resonances might be understood.

That is only one of 26 Saros Cycles currently making complete eclipses on earth. Each Saros is unique, yet predictable as they march around the earth. Each eclipse is unique.

The Alignment of the Saros: Resonant Synchronicity

There are Three Months:

29.53 days is a lunar month. That provides the phases of the moon.

27.21 days is a draconic month. That is the return of the moon to the eclipse plane.

27.55 days is an anomalistic month. That is how long it takes the moon to complete its elliptical swing nearer and farther from earth.

It turns out these three months align almost perfectly at 19 eclipse (Draconic) years. That creates repeating eclipses of relatively similar character.

What is the Saros Cycle alignment?

A Saros Cycle is a period of exactly:

242 draconic months = 6585 days (6584.82)

223 lunar months = 6585 days (6585.19)

239 anomalistic months = 6585 days (6585.45)

6585 days is 18 years, 11 days and 8 hours.

As it happens, 19 eclipse years is also 19 solar years minus one *lunar* year (354.3 days)!!!

And that's something.

See if you can keep this straight. It took me quite a while to take it in, but it's not because the numbers are nonsense, or impossible to comprehend. It's because the synchronistic truth they convey is so dramatically precise that it's actually difficult to believe.

This alignment is how we can predict future eclipses and determine the paths of past eclipses.

One Saros period after an eclipse, the Sun, Earth and Moon return to about the same relative geometry, a near straight line, and a very similar eclipse will occur but at a different place on earth, landing about 1/3 of the way around the earth since the last time this geometry occurred.

A Saros Cycle is exactly 19 eclipse years (or 18.999%).

Though this alignment of calendars makes eclipse prediction possible, when this reality is brought in textbooks (which is rarely), it is almost universally called coincidence.

There seem to be a lot of coincidences that pile up around reality and eclipses. There is no scientific "reason" for these alignments of different cosmic timekeeping, just as there is no scientific "reason" for the sun and moon being the same size in the sky. It's not due to any scientific laws, nor do they break any laws. It all just is.

The Recap—here's our years:

Solar Year: 365.24 days

Lunar Year: 354.36 days

Eclipse Year: 346.62 days

Here's our months:

Lunar (synodic) Month: 29.53 days

Draconic (eclipse) Month: 27.21 days
Anomalistic (moon distance) Month: 27.55 days

Here's 19 Year Metonic Alignment (which creates the same phase of moon every 19 years)

19 solar years: 6939.60 days
235 lunar months: 6939.68 days

Here's 19 Year Draco-Metonic Alignment (same phase of moon and repeating eclipse)

19 solar years: 6939.60 days
235 lunar months: 6939.68 days
255 Draconic months 6939.11 days

Here's Saros Alignment (repeating eclipse personality -19 eclipse years/19 solar years minus one lunar year):

242 draconic months: 6585 days (6584.82)
223 lunar months: 6585 days (6585.19)
239 anomalistic months 6585 days (6585.45)

Summary of peculiarities outlined so far:

- It's peculiar that you are reading this, and exist at all, endowed with acute observational abilities. It's peculiar that I care about this phenomenon, or your ability to understand it.
- It is peculiar that life exists on earth, made possible only through an extraordinary combination of peculiar circumstances, including balanced astronomical and chemical conditions.
- It is peculiar we have a large Moon directly facilitating life on earth, which provides significant light at night, and fosters conception of the passage and division of time.
- It is peculiar that our life-giving light source, the Sun, is perfectly situated in relation to our moon to create perfect eclipses, the sun being 400 times bigger and 400 times further away. Our two great cosmic partners in this journey are the same apparent size. The sun's light is peculiar as well, creating a pinpoint of shadow known as an umbra during a total eclipse.
- It is peculiar that this arrangement is distinguished by certain repeatable variables that make the phenomenon of complete eclipses rare but also regular.
- The tilt of the Earth at 5 degrees, the variation in the physical distance from the Earth to Moon during the Moon's orbit, and the orbital distinctions all allow for the phenomenon of eclipses to not occur every month in the same place, but instead to appear fairly infrequently and at varied geographic locations. Complete eclipses occur on average

about once every nine months, but the earth can go as long as nearly 2 years without a complete solar eclipse appearing anywhere. Most human beings go their entire life without ever viewing a complete solar eclipse.

- It is peculiar that we have a Saros Cycle every 19 Eclipse years. The alignment of three cosmic phenomenon—the Lunar (synodic) Month, the Draconic (eclipse) Year, and the Anomalistic (perigee to perigee) Month- allow for the creation of unique eclipse personalities. This regularity creates the ability to both predict future eclipses and map out past eclipses following mathematical formulas.
- It is peculiar that we have a Metonic Calendar. That is, that the two different primary realities of human calendar time—solar year and lunar month-- should align at a convenient time of 19 solar years.
- It is peculiar that we have a Draco-Metonic Calendar reality, where the eclipse year also aligns with that same 19 year solar Metonic. 19 solar years equals 235 lunar months equals 255 Draconic months. This alignment allows for eclipses to often repeat on the same day of the year every 19 years, sometimes over the course of a century.
- It is peculiar how much of this reality remains unconsidered and untaught. Children are not even taught that the sun is the same size as the moon in the sky.

There you have it. Just preliminary peculiarities. Each one of these is worthy of a book by a better author than me. But I'm doing it anyway.

The Eclipse Messaging System

There are several different resonances going on in the eclipse and cosmic calendars. This is much the same as in music, where melodies and counter melodies, rhythms and harmonies all maintain simultaneously a single message and assist in the construction of larger messages. Meaning is not imposed but is asserted. The intelligence and spiritual preparation of the listener is vital to the application of meaning.

“whoever has ears to hear” Jesus Said.

So this principle of resonance and analogy, is also Biblical. The Bible is filled with poetry, parable and prophecy. It has layers of analogy and metaphor. It is essentially musical in many of its elements. Verses are universal and personal, like God himself. If this idea is considered “out there” or “woo”, then we have submitted to a meaningless existence. Science is a limited avenue of meaning. Science cannot and will not approach the meaning of Beethoven’s 7th Symphony or “Stairway to Heaven”.

Either things can mean something in an unscientific fashion, or we live in a sterile hell, having our souls explained away by experts.

There is no other available avenue of seeing a repetitive, yet diverse phenomenon, outlined unequivocally in space and time besides the solar eclipse phenomenon. This is likely known to the occult masters, who keep its secrets hidden. But the phenomenon is of God, and proclaims the work of Jesus Christ and the Holy Spirit.

The messages are inferences. They contain themes!

They require personal intelligence and a willingness to comprehend. They require the humility to consider “expert unapproved” natural phenomenon. They require a love of art and story. That is why science despises what they prove. They essentially disprove science’s self-appointed position as master of the story of the universe.

There are only about 150 complete eclipses every century. This is not a massive data base which allows one to cherry-pick conclusions and choose outcomes. It is an entire field of study that has been systematically suppressed because its conclusions point towards the Omnipotent God and His Son, Jesus Christ. This entire field of study came to light at this

time in history because we are supposed to understand the Jesus Alignment at the same time as the Jesus Anniversary, because we are moving towards the end of history, and God wants to save as many souls as possible.

Different Messages

- 1) **Individual Eclipse Omen:** The place and time of a single eclipse path and its relations to cultural and imperial events.
- 2) **Relational Eclipse Paths:** The appearance of several eclipses in the same geographic region within a relatively short period of time, i.e. crosses.
- 3) **Saros Cycle Relations:** A single Saros Cycle Character has a history and a future. Where and when the eclipse lands can leave messages.
- 4) **Metonic Relations:** Because eclipses occur on the same dates for up to a century before moving on to a different date, relationships can be inferred by looking at the Metonic Cycle. For instance, out of 141 complete eclipses on earth, three very important eclipses happened all on August 21 between 1914 and 2017. Is there thematic relations?
- 5) **Cosmic Cycle Relations:** There are other cycles to consider. Draconic seasons, Lunar Year Triads, Hepton Cycles, 300/44 Cycles, 8 year, 11 year, the 391 year Grattan-Guiness Cycle . Are there interactions? Themes?
- 6) **Maximum Expression Personalities:** Many of the greatest maximum expressions in History seem to be disproportionately referenced in eclipses. Jesus, Lincoln, Kennedy and so many more. What's that about?
- 7) **Numerical and Mathematical Relations:** Peculiar mathematical and number groupings and relations can be found in the study of eclipses.

Individual Eclipse Omens

All cultures on planet earth viewed eclipses as omens for all of human history, and many still do. Only since the early 18th century did academia insist they were not omens, and claimed they could prove this assertion because astronomers had discovered the mechanics of the solar eclipse and could thus predict them. This false premise is a fundamental riddle of the modern world.

Does the discovery of the mechanical movements of a physical phenomenon or organism explain the origin and intent of that phenomenon or organism? I discover a functional automobile on the beach. I can catalog all the parts and even drive it around. Does that explain who built it? Who left it there and why?

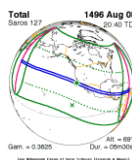
The sun/moon alignment is the most precise synchronicity in all our existence. How could it be so readily dismissed and downplayed by scientific institutions, except that certain experts have been misled deliberately by a spiritual entity determined to create as many agnostics and atheists as possible, in a quest for human souls?

This is not a giant data base filled with thousands of eclipses. It's a rare phenomenon. There are about 150 complete solar eclipses per century. About 70 total, 70 ring of Fire and 10 hybrids. That means that, on average, 65% of the earth in any given century, will *not* have any complete eclipse in a century. Of course, the average is not the reality. Some cities on earth see more than one eclipse in any century. Some cities go a thousand years without ever witnessing one.

So before we consider these ominous eclipses, think how odd it is that we even have them. Consider how rare it is to see one. Then consider where they went and at what time. This is just scratching the surface, just forty I picked off the top of my head.

Forty Ominous Individual Eclipses

- 1) **April 3 33 AD.** Jesus Christ was taken down from the cross just before a lunar eclipse rose on Jerusalem. He is perhaps the only truly famous person to die on the day of an eclipse over his location.
- 2) **Aug 8 1496** Aztec and Mayan Apocalypse. Two years and one week before Columbus first arrival on mainland of the Americas in what is now Venezuela 8-1-1498. Solar eclipse ends at sunset over modern Venezuela. The eclipse featured in Mel Gibson's movie Apocalypto.



- 3) **1618 to 1632** USA experiences six complete eclipses during the first years of the British settlement of America. Includes a Jan. 15 1619 eclipse in the American south on MLK's birthday (310 years before his birth) the year slaves were first brought to the US. Then no complete eclipses at all for 38 years.
- 4) **1768 to 1782** USA has five complete eclipses during its revolutionary period and then none for 26 years.
- 5) **Sep 17 1811** US eclipse three months before great New Madrid quake.
- 6) **Nov 30 1834** Total eclipse follows the path of the Trail of Tears (the Cherokees betrayal by the US and forced migration) from Georgia to Oklahoma while the Cherokees are marching on it.
- 7) **1854 to 1865** USA has three solar eclipses during the Civil War era.
- 8) **April 1865.** Abraham Lincoln shot and killed (April 14/15) three days after a lunar eclipse (April 11) in the USA. 11 days after his death, a total solar eclipse darkens Rio De Janeiro, Brazil, the last great remaining slave port in the hemisphere. Six months later, on Oct 19 1865 (84th anniversary of US victory at Yorktown), the greatest cross-country ring of fire in US history begins at Mount Saint Helens and crosses his birthplace in Kentucky and hometown of Springfield.
- 9) **1878 to 1889** USA has four solar eclipse centered on the American West during last Indian resistance and extermination of the Buffalo.
- 10) **April 14/15 1912** The great ship Titanic hits an iceberg and sinks. Sixty hours later, on April 17, 1912, a solar eclipse occurs over the Atlantic and Europe on the very day Titanic was intended to arrive in NYC.
- 11) **Aug 21 1914.** In the first weeks of World War I, a total solar eclipse divides the Eurasian land mass during the first large battle of the war. This was the day after Pope Pius X died in

Rome. The first shot fired by a British soldier came the next day. The path connected the Ottoman, Persian, British, French, German, Russian and Austro-Hungarian empires. The path also intersected the path of the Titanic eclipse. (see crosses section).

- 12) June 8 1918** Cross Country USA total eclipse. One of only a couple of true east-to west total cross-country eclipses in US history. It happens as US troops turn the tide of WWI and in the opening days of the Spanish Flu Pandemic. The path is a near perfect inverse reflection of the Aug 21 2017 cross country US eclipse. Eclipse begins at Mt. St. Helens and ends at Cape Canaveral.
- 13) 11-22-1919 JFK Premonition.** 44 years before JFK assassination, a Ring of Fire Eclipse begins at sunrise in Texas, the state where JFK would be murdered. Path over Stonewall Texas, home to a 10-year-old Lyndon Baines Johnson, who would replace JFK as president. Total annularity in the capital of Austin and in Houston (home of future president GHW. Bush. Path over almost entire island of Cuba , with which JFK's destiny would become intertwined.
- 14) 1933 Aug 21 Ring of Fire Jerusalem** As Nazis seize control in Germany, at the peak of a worldwide depression, on the first day of the 18th Zionist congress in Prague, a Ring of Fire across the Mideast. Begins at sunrise over Giza pyramids, goes through Palestine, Jordan, Iraq, Iran/Persia. Total annularity in Jerusalem, Baghdad (Babylon), Amman, Gaza, Alexandria (Egypt), Ancient Persian capital of Susa ---path also cuts through Bangladesh, Thailand, Indonesia before finally ending at the east coast of Australia.
- 15) Jan 24 1925** NYC has only eclipse in 400 years in the middle of the roaring twenties.
- 16) Nov 1 1929** Eclipse begins in N. America across Atlantic three days after stock market.
- 17) April 19 1939** Eclipse in Europe on hours before Hitler's 50th Birthday and four months before WW2.
- 18) Feb 4/5 1943** Eclipse connects US(Alaska) and Japan, while they were fighting in Alaska.
- 19) July 9 1945** One week before testing of first A-bomb, a total eclipse from US to USSR.
- 20) June 14 1946** Donald Trump is born on the day of a total lunar eclipse (total in Jerusalem), the only known major leader to bear that distinction.
- 21) 1952 and 1954** two eclipses cross city of Shahrud, Iran. Shah installed 1953.
- 22) May 9 1948** Eclipse bisects Korean peninsula two years before war. Goes over China one year before Communist takeover and Vietnam in the middle of war with France. Eclipse occurs five days before Israeli independence.
- 23) June 20 and Dec 14 1955** Longest duration (7 minutes 7 seconds) total solar eclipse in a Millenium goes over Vietnam and SE Asia four months before war officially begins. On Dec 14 1955, the longest duration (12 minutes 9 seconds) ring of fire solar eclipse in a Millenium also goes over Vietnam and SE Asia one month after war officially begins.
- 24) Oct 1 1959** Total solar eclipse begins in Boston as Boston native JFK campaigns for president.

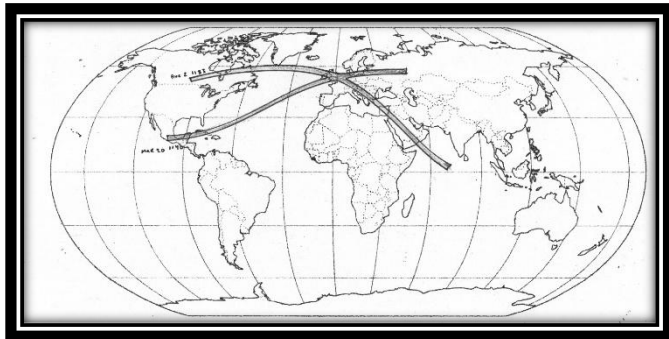
- 25) July 20 1963** Total Eclipse in USA (95% Boston) 4 months before JFK murder, one month before MLK's march on Washington. Six years to the day before moon landing.
- 26) April 12/13 1968** Total Lunar eclipse in USA 8 days after Martin Luther King assassination and 8 weeks before Robert Kennedy murder.
- 27) Feb. 26 1979** Total Eclipse over Mount Saint Helens one year before she erupts (May 18 1980). Eclipse in Seattle 7 weeks after Gates moved Microsoft there. Occurs on the 2725th anniversary of first agreed upon day of history. the Feb.26 747 BC crowning of Nabonassar as King of Babylon. Last USA total eclipse for 38 years.
- 28) July 31 1981** A cross-country total eclipse of the USSR (it only touches USSR) occurs during height of Solidarity movement in Poland that signaled the empire's demise.
- 29) July 22 1990** Another cross-country total solar eclipse in USSR signals the end of the USSR, which officially dissolved five months later on Dec 26 1991
- 30) 9-11-1988** On Sep.11, 13 years before the attacks, an eclipse begins at sunrise over Mogadishu Somalia and touches no other land on a 10000 mile path. Battle of Mogadishu five years later killed 18 US soldiers.
- 31) Jan 4 1992** A tremendous ring of Fire eclipse ends at sunset over LA, three months before the Rodney King riots.
- 32) 8-11-1999** Total Eclipse begins off Martha's Vineyard, where JFK Jr. had died weeks before. Crosses Atlantic. England, France, Germany, eclipse at Hitler birthplace in Austria, goes over ancient city of Nineveh in Iraq and Turkey, where Turkish Earthquake killed 30,000 people six days later. Last great European eclipse. It occurred the same year the Euro was introduced.
- 33) July 22 2009** The longest duration eclipse of the 21st Century brings totality to Wuhan, epicenter of the Covid 19 pandemic, 10 years before the outbreak. One of only two total eclipses in Wuhan in the last 1000 years (the other was Sep 21 1941).
- 34) March 20 2015** Total Solar eclipse ends directly at North Pole (perhaps first eclipse in history to do so) on the spring Equinox.
- 35) Aug 21 2017** First USA cross-country eclipse in 99 years divides nation at most divided time since the Civil War. Hebrew Year 5777. Occurs exactly 7 months after Donald Trump's first day in office. His first day in office he was 70 years, 7 months and 7 days old. Eclipse passes over 7 towns named Salem (shorthand for Jerusalem). First city Salem Oregon. Exits at Charlestown, once the largest slave port in North America. Resonance of Charlie Kirk.
- 36) Apr 8 2024** the Great North American Eclipse is the first in the history of Mexico, US and Canada to pass through all three nations overland. Path connects with 2017 path at Little Egypt area of Illinois.

- 37) Oct 14 2023** A ring of fire eclipse occurs on Charlie Kirk's 30th birthday less than two years before his murder, and crosses both his home state of Arizona and state where he will be murdered of Utah. Eclipse occurs one week after Oct.7 attack in Israel.
- 38) Aug 2 2027** Egypt/ Mecca/Rock of Gibraltar will be in total eclipse. Maximum eclipse at Valley of the Kings in Egypt, the great Necropolis of the Pharaohs.
- 39) March 30 2033** A total eclipse will connect the Eastern and Western hemispheres simultaneously at the international date line. Occurs on the exact 2000th anniversary of the triumphal entry of Jesus Christ into Jerusalem. Date is a palindrome 3-30-2033. Only eclipse date in history to be a 7 digit palindrome.
- 40) April 14 2033 and April 3 2034** Lunar eclipses occur around 2000th anniversary of Christ's crucifixion. The 2033 lunar is a total eclipse visible from Jerusalem, occurs on Passover 11 days after the 2000th anniversary. The 2034 eclipse occurs on Passover as well, on the exact 2001st anniversary of the Crucifixion.

“God will invade. But I wonder whether people who ask God to interfere openly and directly in our world quite realise what it will be like when He does. When that happens, it is the end of the world. When the author walks on to the stage the play is over. God is going to invade, all right: but what is the good of saying you are on His side then, when you see the whole natural universe melting away like a dream and something else - something it never entered your head to conceive - comes crashing in; something so beautiful to some of us and so terrible to others that none of us will have any choice left? For this time it will God without disguise; something so overwhelming that it will strike either irresistible love or irresistible horror into every creature. It will be too late then to choose your side. There is no use saying you choose to lie down when it has become impossible to stand up. That will not be the time for choosing; it will be the time when we discover which side we really have chosen, whether we realised it before or not. Now, today, this moment, is our chance to choose the right side. God is holding back to give us that chance. It will not last for ever. We must take it or leave it.”— C.S. Lewis

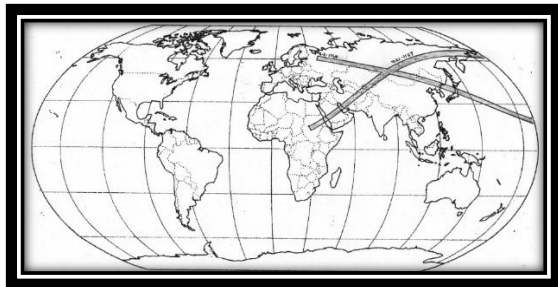
The Great Crosses. Eclipse Relations.

There is a phenomenon of solar eclipse paths crossing each other within short intervals of time. This is to be expected of course, because of the nature of the phenomenon. Here's some interesting crosses they made. Full world crosses of last thousand years is in the appendix.



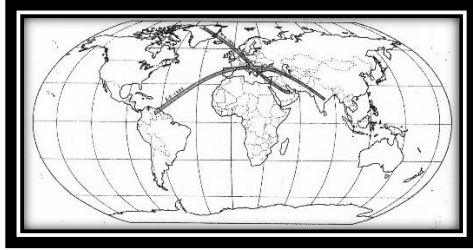
1) King Henry's Eclipse Cross. The Anarchy. 1133 Aug 2 and 1140 Mar 20

Apex of cross in Britain. The first eclipse, in 1133, is among the most famous of all time, known as King Henry's Eclipse. . Occurs after King Henry departs from England in 1133 never to return again, initiating the civil war known as "The Anarchy" from 1135 to 1150 AD. This eclipse cross has never been mapped before now. Notice the dates are exactly the same as Aug 2 2027 and March 20 2034 Cross with apex in Egypt.



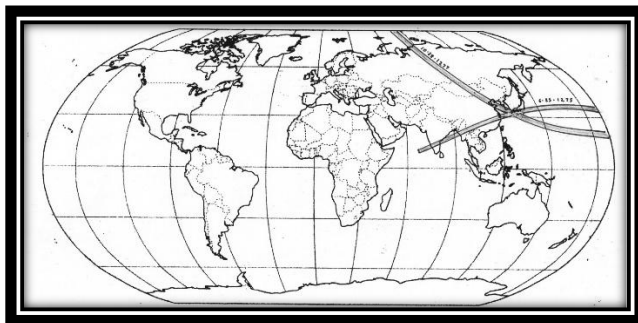
2) 1160 Sep 2 and 1167 Apr 21 Genghis Khan Hepton Cross

Apex near Mongolia/Kazakhstan Border... The great Mongolian Emperor Genghis Khan born between 1162 and 1167. The next century is marked by Mongolian invasions and eclipses.



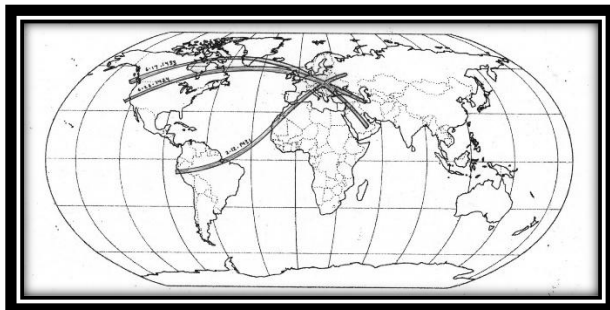
3) 1239 June 3 and 1241 Oct 6 Mongols in Europe/ Crusade Cross

856 Day Cross Apex in Europe's Balkans. Mongol invasion occurs in Serbia in 1242, the year after the second eclipse. The 1241 eclipse just misses Jerusalem essentially following the path of Crusaders from Europe to Jerusalem. (Baron's Crusade was 1239 and 1240 AD)



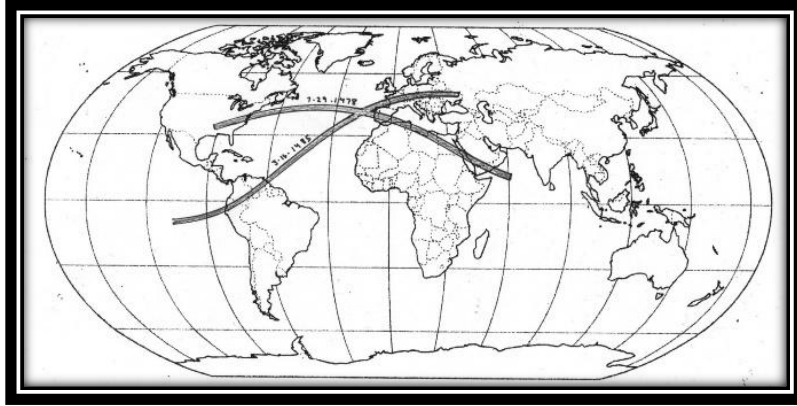
4) 1275 Jun 25 and 1277 Oct 28 Kamikaze Cross -Mongol Final Cross

856 Day Cross. Apex over island of Kyushu Japan. Mongol invasions of Kyushu under Kublai Khan occur in 1274 and 1281. The 1277 eclipse actually connects Mongolia and Japan. Japan defeats Mongols. In victory arose the philosophy of the kamikaze, or divine wind.



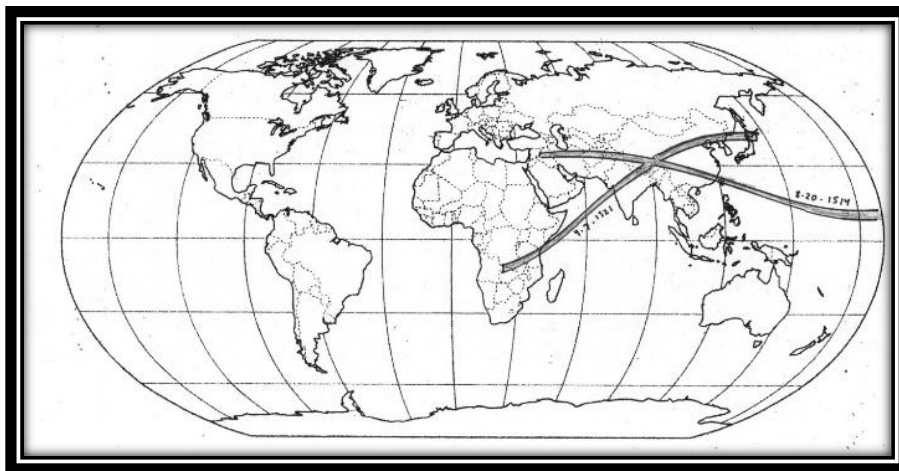
5) 1424 Jun 6 1431 Feb 12 1433 Jun 17 Great Poland Eclipse Triple Cross

Apex of all three intersect around borders of Austria/Poland. The Polish Teutonic War occurred between 1431 and 1435, in the midst of all three eclipses. Extraordinary alignment with each eclipse beginning on the west coast of the New World, sixty years before it's "discovery".



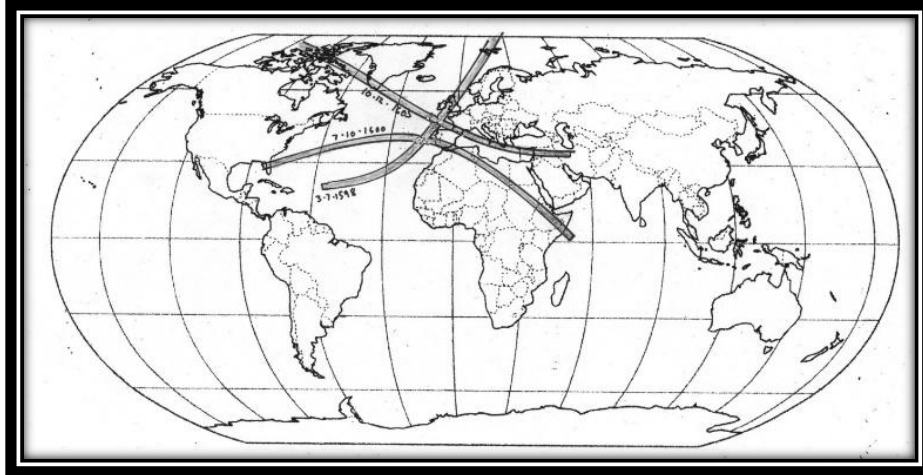
6) 1478 Jul 29 and 1485 Mar 16 Spain New World Eclipse Cross

Hepton Cross Apex hugs coast of Spain and Portugal encircling the nations(La Coruna Spain and Porto Portugal). It connects both North and South America as well as Europe and Middle east, including Luxor Egypt just before Spain travels to the Americas with Columbus seven years after the cross is completed. The 1478 eclipse passes over modern Washington DC, the last total eclipse to do so.



7) 1514 Aug 20 and 1521 Apr 7 China opens to the west Cross

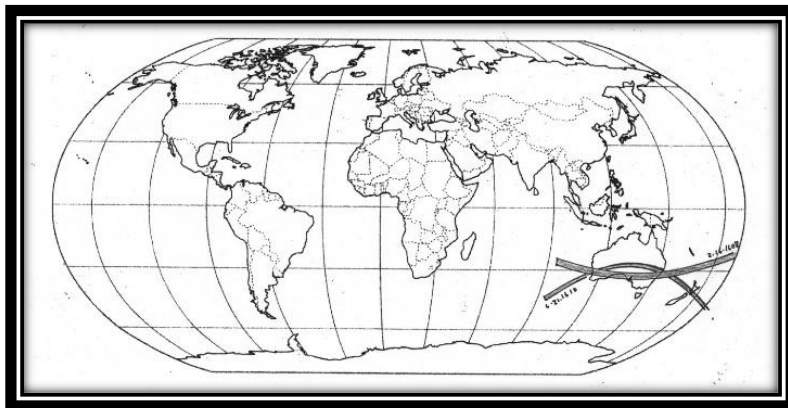
Hepton Cross...Apex in Southern China. The first delegation of Portuguese traders arrive in Canton China in 1517, at midpoint of eclipse cross, opening up China to the West.



8) 1598 Mar 7 / 1600 Jul 10 / 1605 Oct 12 Spain/ Britain War Triple Cross

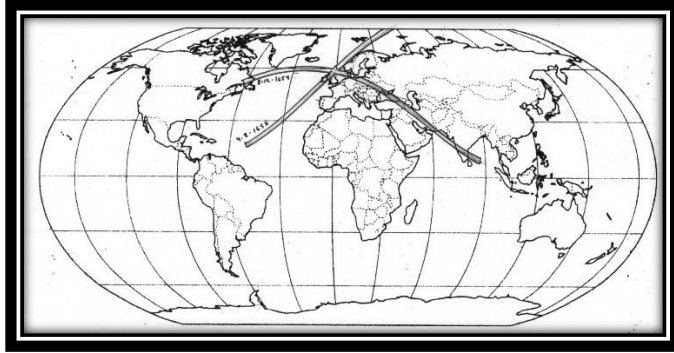
A Spain and Britain Double Cross centers on the nations while the two superpowers fight for the future of empire. Catholic vs. Protestant. Anglo vs. Latin. A fight for supremacy of the new world and the old. The Anglo-Spanish War officially ends in 1604.

The eclipse of 1600 began at sunrise over Florida and featured totality at Cape Canaveral 369 years and 6 days before the moon launch.



9) 1608 Feb 16 / 1610 Jun 21 Australia Solstice Cross

Australia Double Apex Cross near modern Botany Bay in the east and Perth in the west. Dutch explorer Willem Janszoon first landed on the continent Feb 26 1606. This is the only Total cross over Australia in the second millennium, and it intersects at two point on both east and west coasts within two years of European arrival.



10) 1652 Apr 8 and 1654 Aug 12 Oliver Cromwell Tav

856 Day Cross with apex in Northern Britain over Scotland. The English Civil War raged from 1642 to 1651. The Anglo-Scot war was not over until 1653, between the two eclipses. King Charles was executed in 1649.

Oliver Cromwell rose to prominence in these wars and achieved title of Lord Protector of Britain from 1653 until his death in 1658.

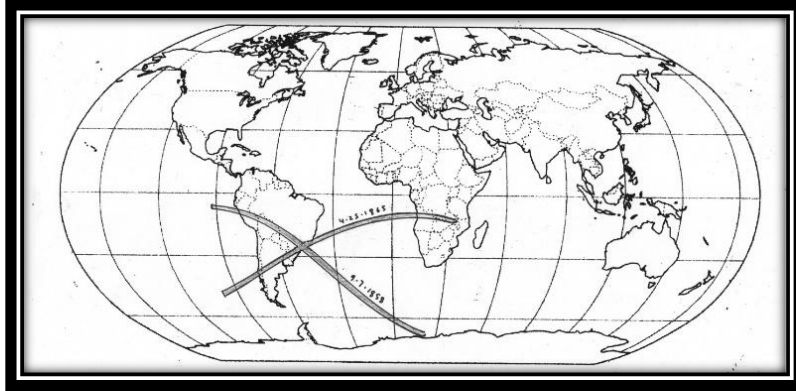


11) 1706 May 12 / 1708 Sep 14 / 1715 May 3

Peter the Great Russian Triple Apex

Moscow and St. Petersburg in western area of apexes. Apexes over the cities of western Russia during reign of Peter the Great (reigned 1682 to 1725) who truly opened Russia/European relations. Britain, Spain and Scandinavia also joined together by the trio.

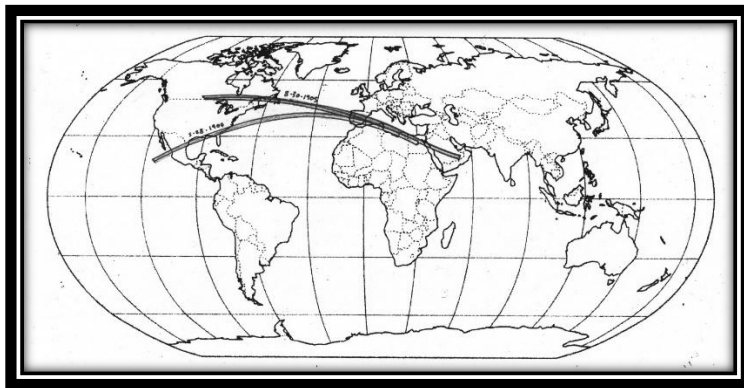
The pictured 1715 May 3 eclipse over Britain, Scandinavia and Russia was the first accurately predicted solar eclipse in history (mapped in London by Edmund Halley).



12) 1858 Sep 7 and 1865 Apr 25 Rio de Janeiro Slavery Cross

Apex at Rio de Janeiro. Eclipses bracket the American Civil War which ended slavery. They have apex at the largest slave port in human history, Rio de Janeiro.

The second line of the cross on 1865 Apr 25 occurs ten days after the death of Abraham Lincoln, the man most singly responsible for the end of human slavery in the western hemisphere. Eclipse goes directly over Rio on its way to Angola, source of the first slaves to arrive in North America. Lincoln was shot April 14 1865 and died the next morning. Slavery is outlawed in Brazil May 13 1888, the last nation in the western hemisphere to abolish it.



13. 1900 May 28 and 1905 Aug 30 Special Spain/Egypt Conjunction

Not really a cross, but an extraordinary intersection of two total eclipses from North America to Spain to Egypt to Mecca unlike anything else in the millennium. The 1900 May 28 eclipse was the first of the 20th century. It occurred 17 years and one day before the birth of JFK, and connects USA, Spain and Egypt. The 1905 brought totality to the Valley of the Kings in Luxor Egypt and the holy city of Mecca, just as the 2027 eclipse will.

For two thousand miles, the eclipse paths overlap each other, apparently unprecedented in the last thousand years for an overland eclipse, and it occurs along some of the most important areas in all human civilization at the beginning of its strangest century.

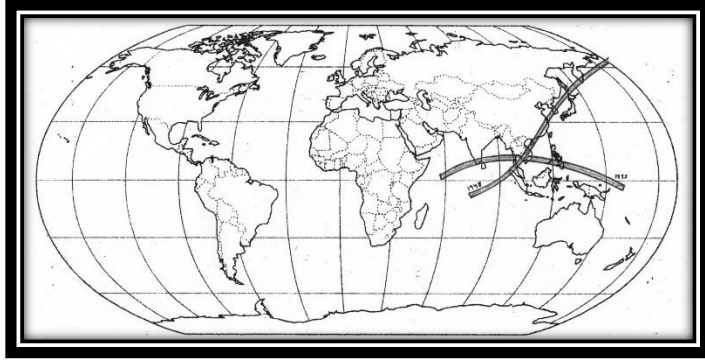


14) 1912 Apr 17 and 1914 Aug 21 Titanic/World War One Cross

The paths connect both hemispheres and intersect near Stockholm Sweden. The 1914 eclipse is not labeled in my map but travels from upper left to lower right.

The Titanic Eclipse April 17 1912 - Saros 137 60 hours after the sinking of the Titanic on the night of April 14/15 1912, a solar eclipse occurs in the Atlantic, through Europe and deep into Russia. A great solar eclipse marking the most famous man-made disaster of all times, the legendary sinking of the Titanic, the largest ship ever launched, the symbol of modern technology, the "unsinkable". She was sent to a watery grave on her maiden voyage along with more than 1,500 people. Path goes just south of Southampton, England (90% coverage) where Titanic launched a week before. 35% coverage at the site of the disaster in Atlantic southeast of Newfoundland. 18% coverage at intended harbor of New York. Path cuts a foreboding shadow across Europe two years before World War One. Stripe of Totality divides metropolitan Paris. Larger path of annularity goes through France, Belgium, Germany, Baltics, and Russia.

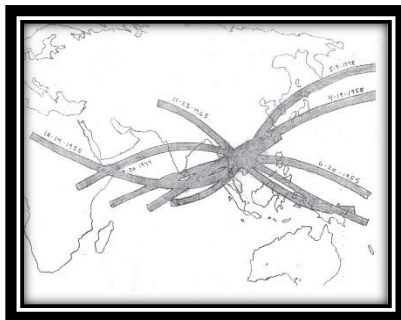
1914 Aug 21 Total World War One Eclipse Europe/Mideast- Saros 124 One of the most clearly ominous eclipses of all time. Pope Pius X dies the day before in Rome (50% coverage). The Eurasian land mass is divided during first battles of WWI. The first British soldier in World War One dies that very day in 1914. Two weeks before the First Battle of the Marne. Empires affected include the Ottoman, Persian, British, French, German, Russian and Austro-Hungarian empires. Goes over ancient city of Nineveh (Mosul, Iraq)



15) 1948 May 9 and 1955 Jun 20 Southeast Asia War Cross

Two extraordinary eclipses cross an extraordinary place at a pivotal moment in human history, framing the beginnings of the Vietnam and Korean wars and signaling the rise of the Communist Party to control of China. It is the only total cross over southeast Asia in the last thousand years. I count as a total eclipse, the May 9 1948 eclipse because it was the strongest non-total ring of fire of all time, featuring, get this, 99.999% totality. It split Korea in half two years before the war between North and South Korea, occurred one year before Mao took over China, and during the French war in Indochina. It also occurred 5 days before Israel's Independence on May 14, 1948.

The 1955 June 20 total eclipse was the longest solar eclipse of the millennium, at 7 minutes, 7 seconds. It crossed Vietnam and Cambodia the very year that the Vietnam War officially starts. Intersection of these eclipses occurs on the Vietnam/Cambodia borders, between Phnom Penh and Saigon (now Ho Chi Minh City). Here is the full SE Asia Swarm of



1944 to 1965:

These eclipses, like the WWI Cross, defies all coincidence. It turns out the next one does too.

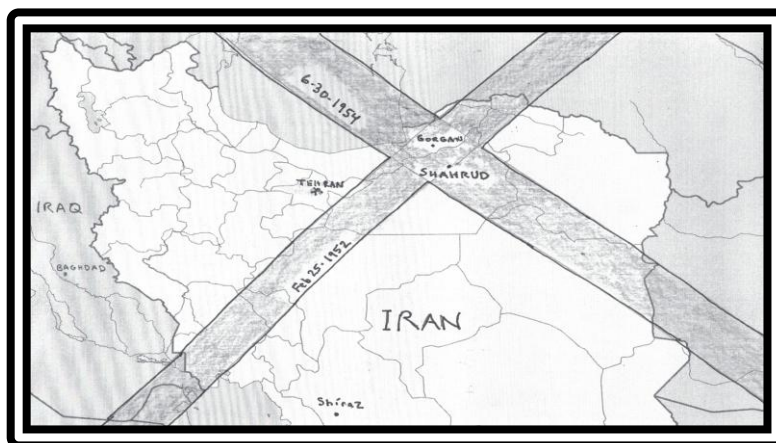


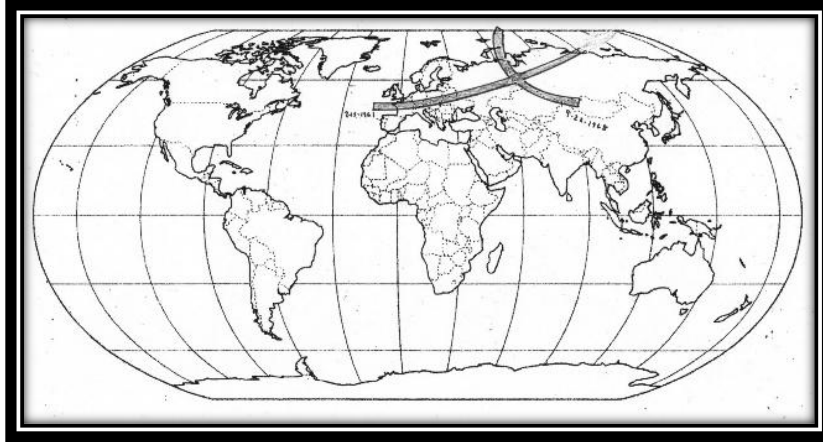
16. 1952 Feb 15 and 1954 Jun 30 Shahrud Tav Iran

A Western backed coup in August 1953 installed Shah Reza Pahlavi over a democratically elected government of Iran. The Coup is nestled between successive total eclipses with intersection over city of Shahrud (literally "city of the Shah").

1952 Feb 25 Total Eclipse (Saros 139) Total eclipse traverses Africa (Totality in Khartoum), then crosses Arabia (totality in Jeddah), crosses Iraq near Basra, and then Iran (totality in Shahrud Iran) ends in Russia. 1952 saw upheaval in Iran, leading to the US backed coup of August 1953 that installed the Shah.

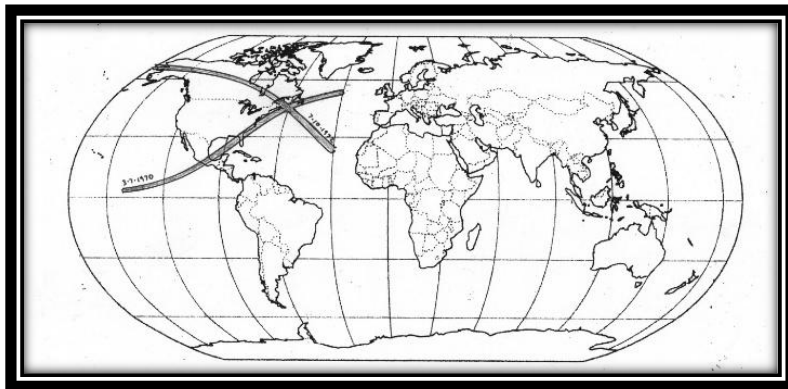
1954 June 30 Total Eclipse USA Ukraine Iran (Saros 126) Path starts in USA (Nebraska crosses the Atlantic, dives through Scandinavia into the Iron Curtain of the Eastern USSR (totality in Kiev, Ukraine)...intersects with last total eclipse over city of Shahrud, Iran. Goes over Afghanistan, and Pakistan (totality in Quetta) before ending in India.





17. 1961 Feb 15 and 1968 Sep 22 Soviet Octon Cross

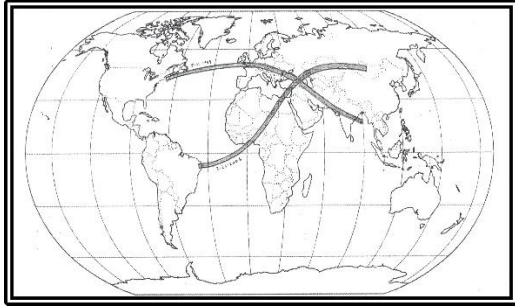
Octon Cross (2777 days or Eight eclipse years which equals two sets of eight eclipse seasons) which also equals 7 years 7 months and 7 days. Apex in central USSR at height of the Cold War. The first eclipse occurs 6 months after Berlin wall was begun. The second occurs one month after invasion of Czechoslovakia.



18) 1970 Mar 7 and 1972 Jul 10 “You’re So Vain” Nova Scotia Cross

Apex near Halifax, Nova Scotia. The only solar eclipse to be specifically commemorated in a popular song was the Jul 10 1972 total eclipse. Carly Simon had a huge hit with “You’re so Vain”, which spent three weeks at number 1. It includes the lyric: “You flew your Learjet up to Nova Scotia to see a Total Eclipse of the Sun”.

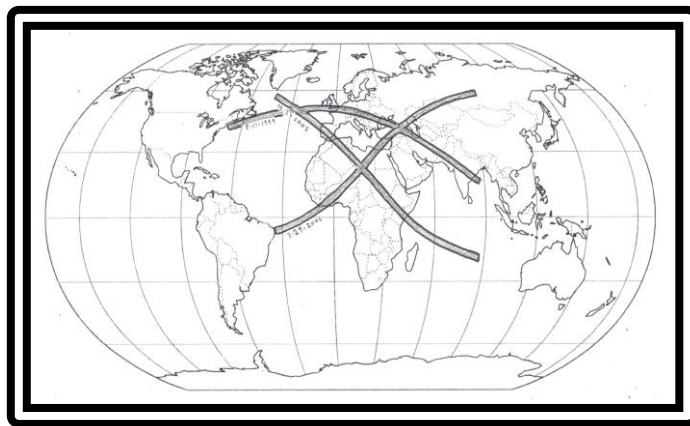
The 1970 eclipse was the last total eclipse to touch the eastern US for 47 years.



19) 1999 Aug 11 and 2006 Mar 29 Turkish Tav and Turkish Aleph

Hepton Cross. The last solar eclipse of the second millennium was Aug 11 1999, and it was one of the greatest eclipses of all time. See details elsewhere. It intersects with Mar 29 2006 eclipse near Tokat Turkey.

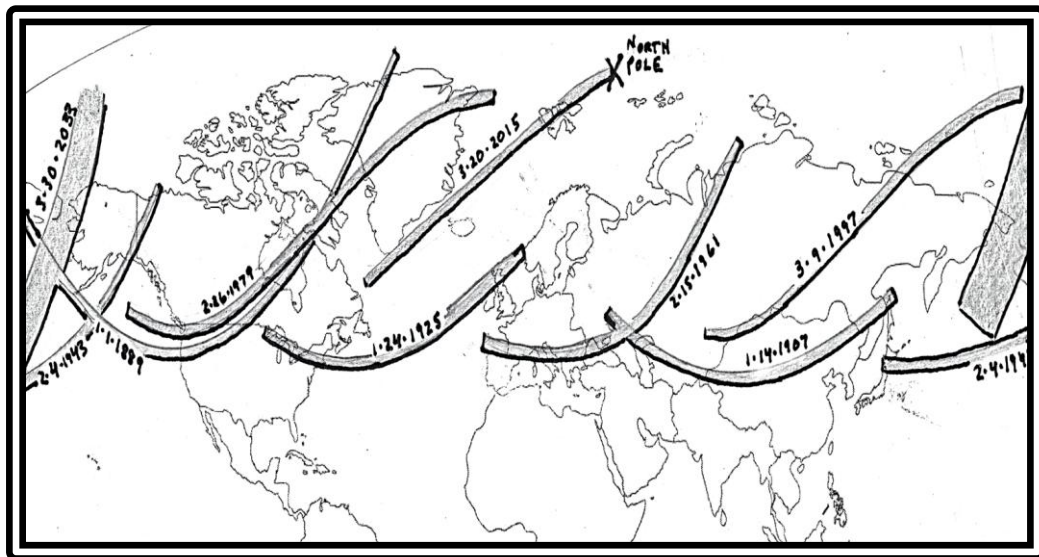
There was also a profound ring of fire 2005 Oct 3, which created the Aleph seen below. Ladies and Gentlemen, the extraordinary Mediterranean Aleph.



Saros Cycle Connections

All eclipses have histories. They don't just appear out of nowhere. They are born. They mature and they die. There are 40 current Saros, of which about 26 are making complete eclipses. Let's look at the recent lives of eleven of them. I feel these are the most important characters in our current solar eclipse scenario.

SAROS 120



Saros 120: A snapshot from 1889 to 2033

Saros 120 has 71 events Born: May 27, 933 AD and **Matured:** August 11, 1059.

1889 Jan 1 New Year's Day over USA/Canada

1907 Jan 14 Europe/China/ Russia

1925 Jan 24 Roaring Twenties: NYC USA to England

1943 Feb 3/4 USA/Japan Wartime Eclipse

1961 Feb 15 The Great European Iron Curtain eclipse

1979 Feb 26 Mount Saint Helens/ Microsoft Eclipse

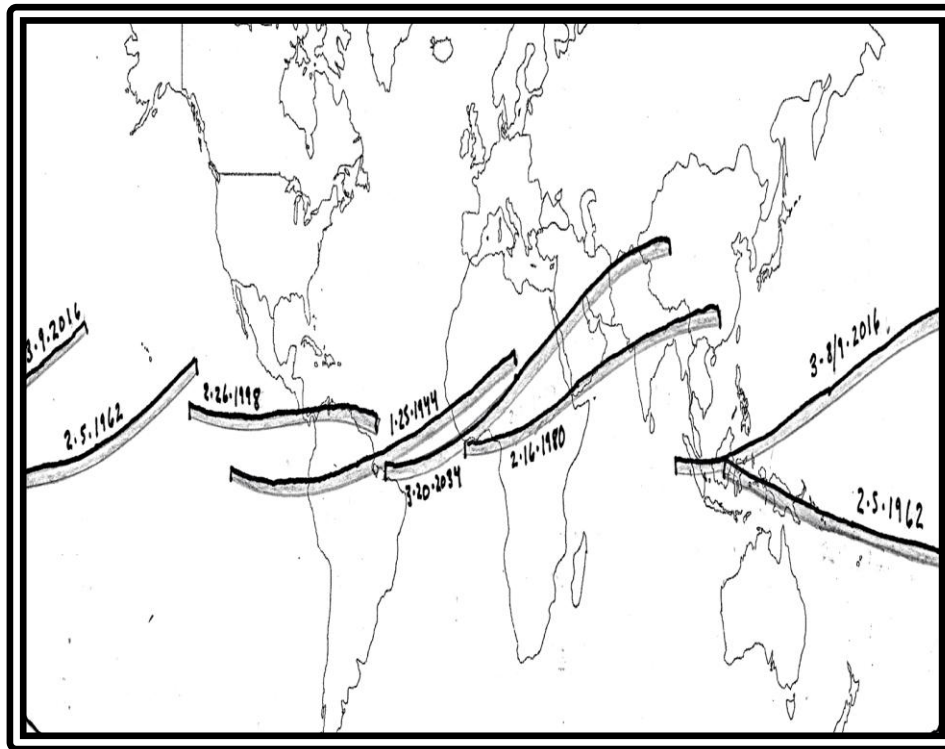
1997 Mar 9 Mongolia/USSR

March 20 2015 North Pole Spring Equinox Total Eclipse. Ended immediately at North Pole.

Mar 30 2033, Bering Strait Eclipse Links USA and Russia and International Date Line

simultaneously. 2000th anniversary of Jesus Triumphant Entry. The 2033 event is Saros 120's last complete eclipse, ending a run of complete eclipses that began August 11 1059. All Saros 120 eclipses in this 125-year study period are over major Northern Hemisphere Modern Empires at great moments.

SAROS 130



Saros 130 Total Eclipses 1926 to 2034

Saros 130 has 73 events Born: Aug 20 1096. Matured: Apr 5 1475

1926 Jan 14 Africa to Indonesia

1944 Jan 25 South America to Africa

1962 Feb 5 New Guinea/Open Ocean

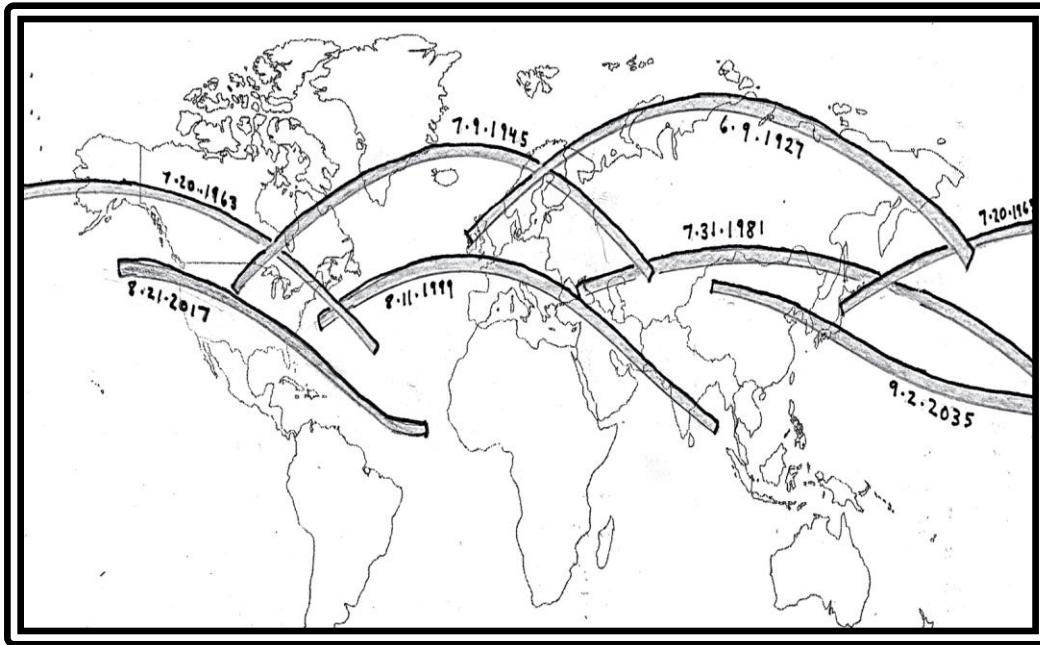
1980 Feb 16 Africa to India

1998 Feb 26 Pan American Isthmus Eclipse

2016 Mar 9 Indonesia and Pacific Nyepi Day (Day of Silence)3-9 2016

2034 Mar 20 The tremendous Spring Equinox Eclipse creating the Mideast Cross, on the 19th Metonic year to the day from Saros 120's North Pole Equinox.

SAROS 145



Saros 145 Total Eclipse 1927 to 2035

Saros 145 is the only current Saros to have 77 events. Born Jan 4 1639 matured Jun 6 1891 for one ring of fire exactly 77 years before RFK assassination. One hybrid in 1909. Became Total in 1927.

1927 Jun 29 Liverpool/ End of British Empire

1945 Jul 9 Atom Bomb Eclipse USA to USSR (one week before first A-Bomb Test)

1963 Jul 20 The 60's Eclipse USSR to USA (Maine)

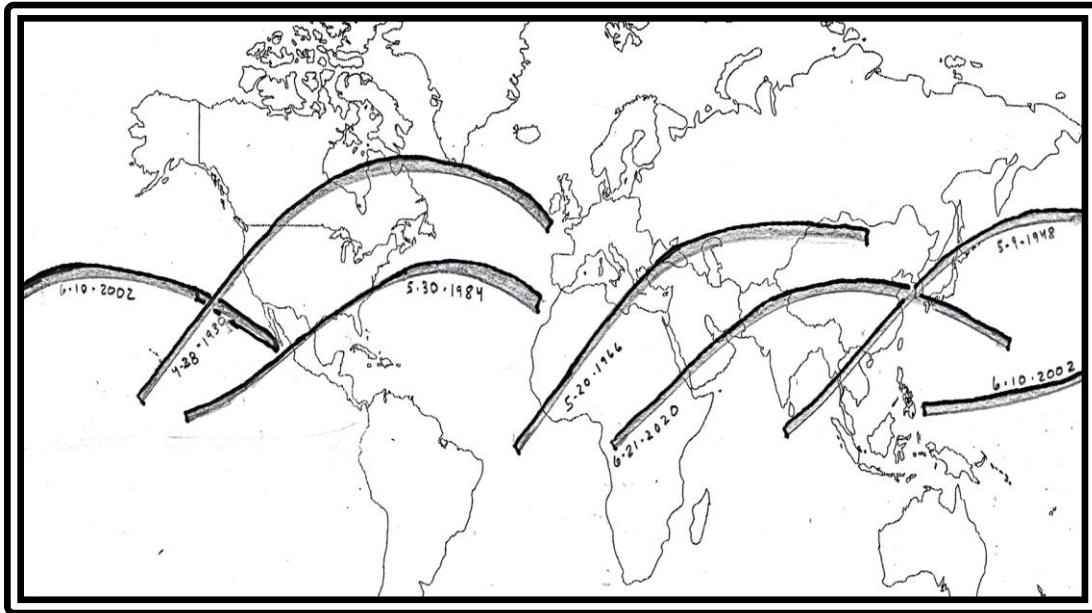
1981 Jul 31 USSR Judgment

1999 Aug 11 End of the Millennium/ Asia Mideast and Europe

2017 Aug 21 The Great American Cross-Country eclipse.

2035 Sep 2 China/Beijing/ Pyongyang/Tokyo

Saros 137 Titanic Hybrid/ Ring of Fire Snapshot 1912 to 2020



Unfortunately, This map does not include picture of Titanic Eclipse

Saros 137 has 70 events: born May 25 1389 matured Aug 20 1533

1912 Apr 17 (not pictured total/Hybrid) Titanic Eclipse...3 days after Titanic sank, eclipse across Europe

1930 Apr 28 (as Hybrid) San Francisco...San Francisco's only totality in centuries.

1948 May 9 (99.999% in places) Korea/ SE Asia. Splits both Vietnam and Korea in half.

1966 May 20 (close to total/hybrid --99.9% in places) Africa/ Europe/USSR /China on Columbus Death

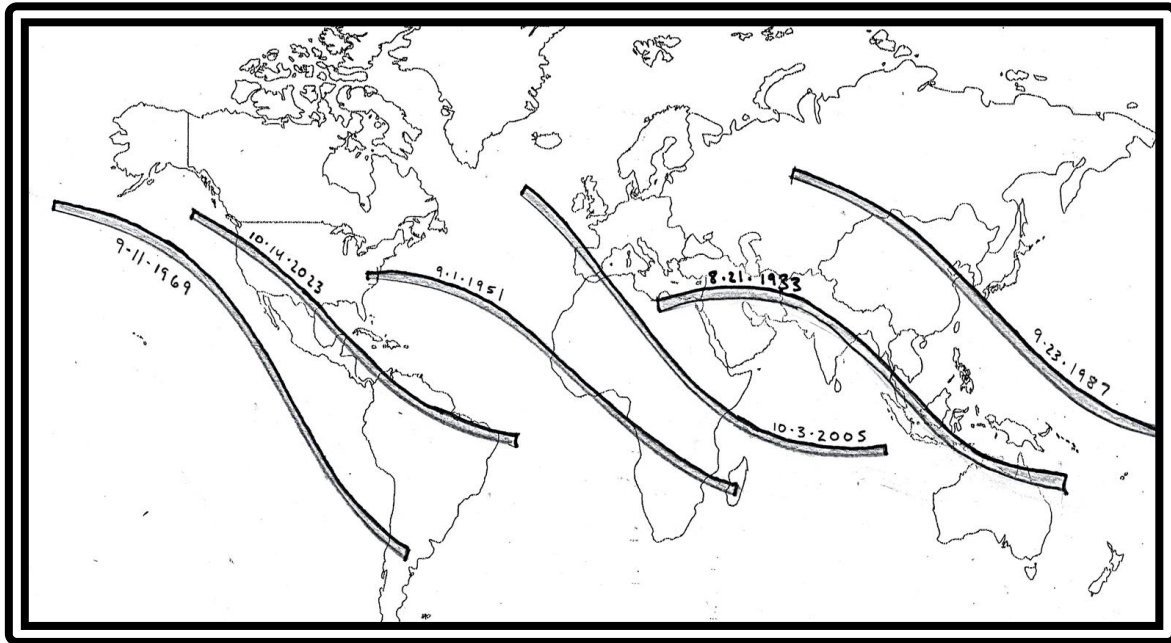
Day Metonic 560 years after his death...Athens and Istanbul and Tripoli in the path

1984 May 30 (almost hybrid-99.77%) Washington/New Orleans/Atlanta on JFK birthday Metonic

2002 Jun 10 Ocean

2020 Jun 21 Summer Solstice Father's Day Pandemic Ring of Fire-83% in Wuhan.

SAROS 134



Saros 134 Ring of Fire Snapshot 1933 to 2023

Saros 134 has 71 events Born Jun 22 1248 matured Oct 9 1428

1933 Aug 21 Great Jerusalem Ring of Fire

1951 Sep 1 Jamestown USA to Angola Africa. Path of first USA slaves.

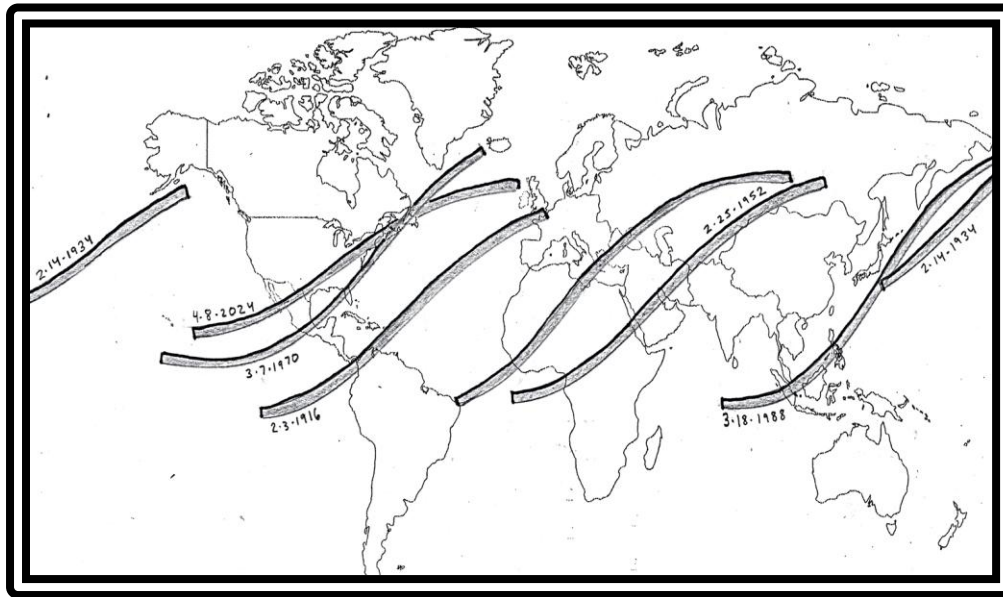
1969 Sep 11 Ocean and extreme South America. First appearance of 9-11 Metonic in centuries,
Eclipse in Chile 4 years before Allende killed on Sep 11 1973.

1987 Sep 23 China and Ocean.

2005 Oct 3 in Spain and Africa

2023 Oct 14 Great American Ring of Fire on Charlie Kirk's 30th birthday.

SAROS 139



Saros 139 Total Eclipses Snapshot 1916 to 2024

Saros 139 has 71 events. Born May 17 1501. Matured Aug 11 1627.

1916 Feb 3 Pan-American Isthmus to France during WWI

1934 Feb 14 Ocean Valentine's Day Pacific

1952 Feb 25 Iranian Shahrud Eclipse--Africa/ Arabia...first half of the Iran Shahrud Cross. This one is the year *before* the Shah was installed in a coup.

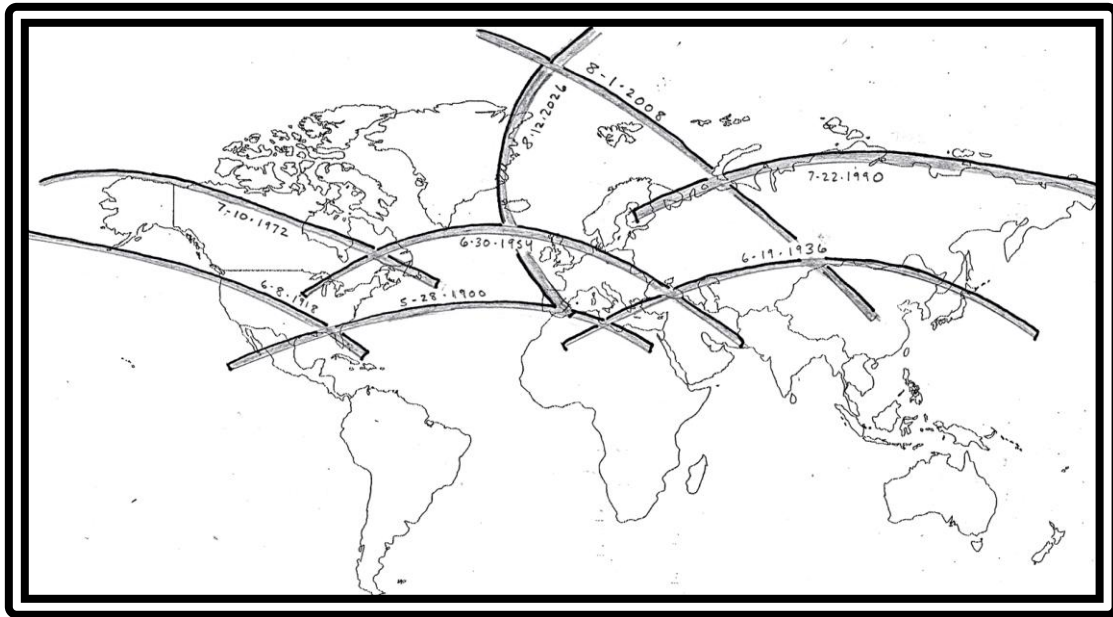
1970 Mar 7 USA end of 60's eclipse, along Eastern seaboard.

1988 Mar 18 Indonesia, Southern Philippines

2006 Mar 29 second line of Great Turkish Cross

2024 Apr 8 First New Moon after Easter; a total eclipse crosses Mexico, USA, and eastern Canada as second line in Hepton Cross. This is the fourth significant cross 139 makes in relation with 145.

SAROS 126



Saros 126 has 72 events Born Mar 10 1179 matured Jun 4 1323

1900 May 28 USA to Luxor, Egypt. First eclipse of the 20th Century.

1918 Jun 8 Great USA Century Eclipse, Spanish Flu, WW1 ends 5 months later.

1936 Jun 19 USSR/ Europe as tensions mount prior to WWII

1954 Jun 30 USA to Iran (via Europe)..second half of Shahrud Cross one year after coup in Iran.

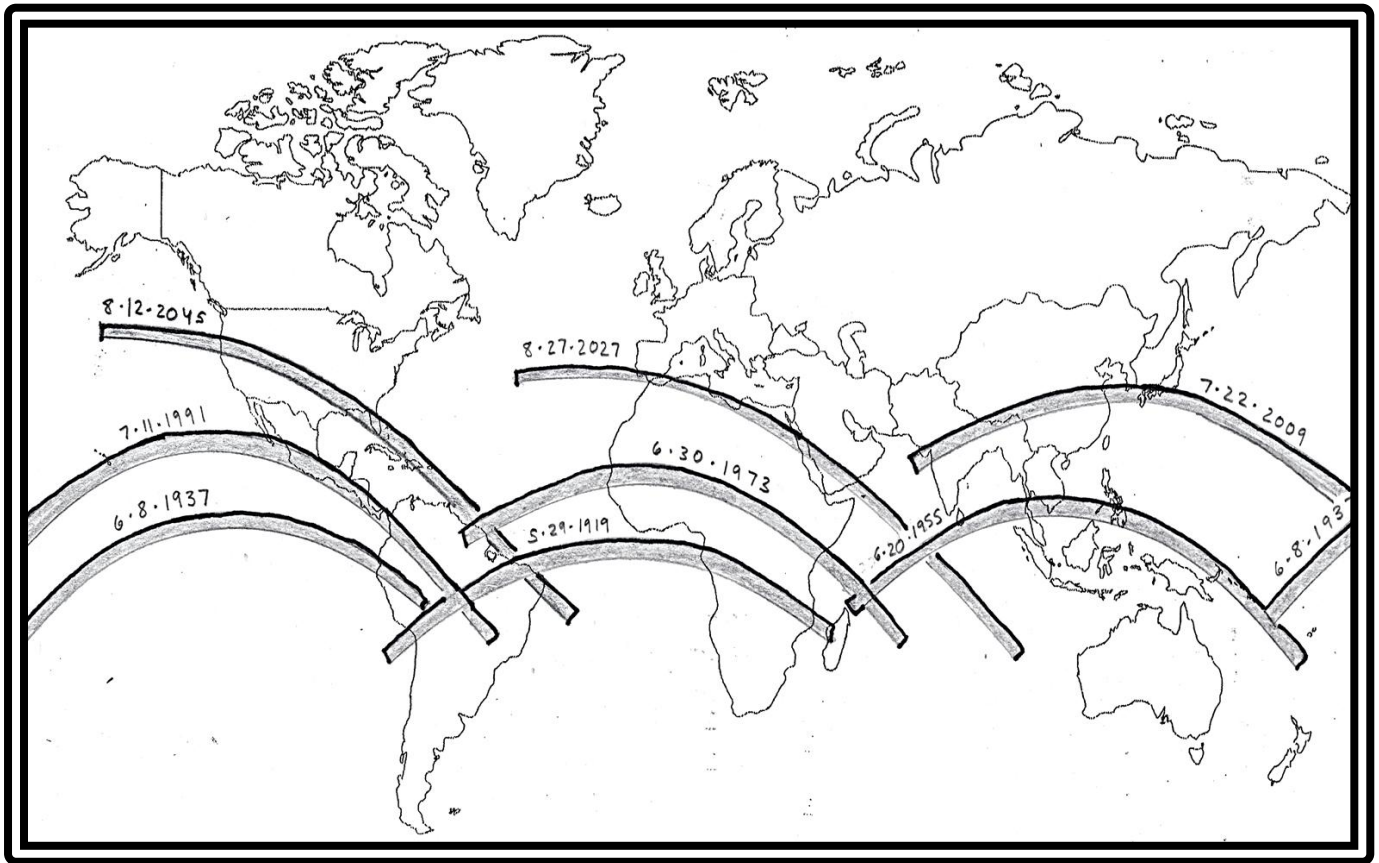
1972 Jul 10 "You're So Vain" eclipse---Nova Scotia. The only time a specific solar eclipse has been mentioned in a popular song. Lyric: "you flew up to Nova Scotia to see a total eclipse of the sun". "You're so Vain" reached number one in the USA for 3 weeks in early 1973.

1990 Jul 22 Northern latitudes

2008 Aug 1 Siberia

2026 Aug 12 Diving down from the north over Reykjavik, Iceland and then Spain.

Saros 136



Saros 136 Total: Snapshot 1919 to 2045

The Saros that we earlier used as an example. More info at the beginning of Chapter.

1919 May 29 JFK 2nd Birthday/Einstein's Eclipse

1937 Jun 8 ---Ocean

1955 Jun 20 Vietnam/ Southeast Asia...longest total eclipse in 1,000 years as war begins in Vietnam

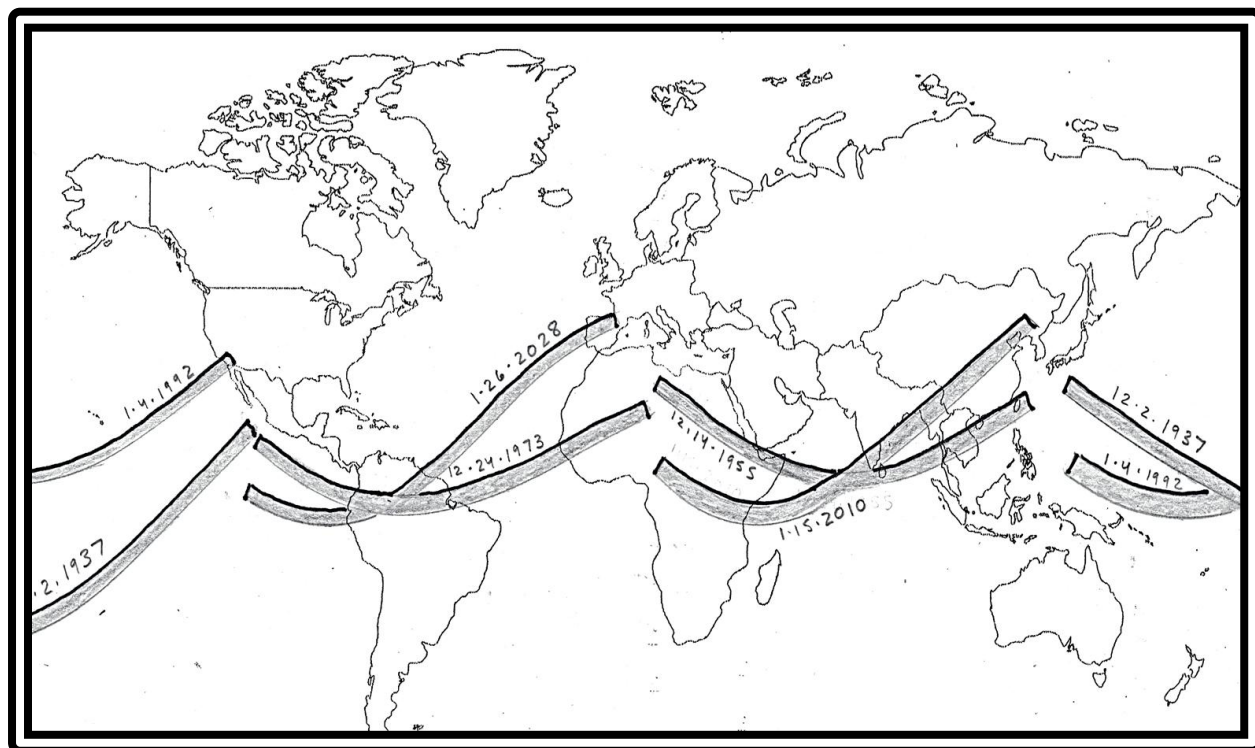
1991 Jul 11 Hawaii/ Central America

2009 Jul 22 Wuhan Eclipse, ten years before pandemic. India/China (including Shanghai)/ Japan

2027 Aug 2 Valley of the Kings...Rock of Gibraltar/Tripoli/Luxor/Mecca

2045 Aug 12 Synchronicity Eclipse USA

SAROS 141



Saros 141 Ring of Fire: Snapshot 1919 to 2028

Saros 141 has 70 events born: May 19 1613 matured Aug 4 1739

1919 Nov 22 JFK Death Premonition Eclipse (not pictured). More at USA and world eclipses--- Texas to Africa 44 years before assassination

1937 Dec 2 Ocean

1955 Dec 14 Vietnam/ Southeast Asia -177 days after 1955 Southeast Asia Total Eclipse. Longest Ring of Fire in the last thousand years at more than 12 minutes.

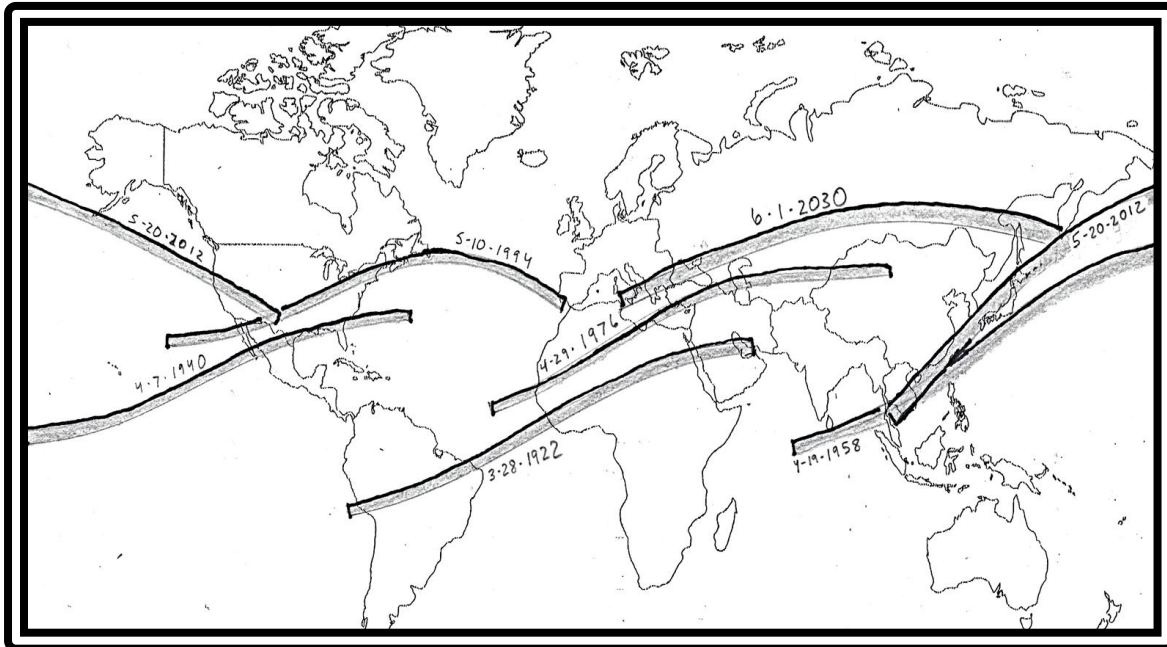
1973 Dec 24 Christmas Eve/South America to Africa, Anthony Fauci's 33rd Birthday, ho, ho, ho.

1992 Jan 4 LA Sunset Eclipse. Path across ocean to end over Southern California at Sunset. Four months before the LA riots.

2010 Jan 15 Martin Luther King's 81st Birthday --Africa to China

2028 Jan 26 Spanish Ring of Fire. South America to Spain. Ends at sunset on eastern Spanish border.

SAROS 128



Saros 128 Ring of Fire Snapshot 1922 to 2030

Saros 128 has 73 events Born Aug 29 984 Matured May 16 1417

1922 Mar 28 Egyptian Independence Eclipse/ King Tut -South America to Africa

1940 Apr 7 Mexico/USA Deep South. 84 years before 2024 Apr 8 Great North American Eclipse

1958 Apr 19 Darwin Death Day Metonic Vietnam etc... Part of Southeast Asia Eclipse Swarm

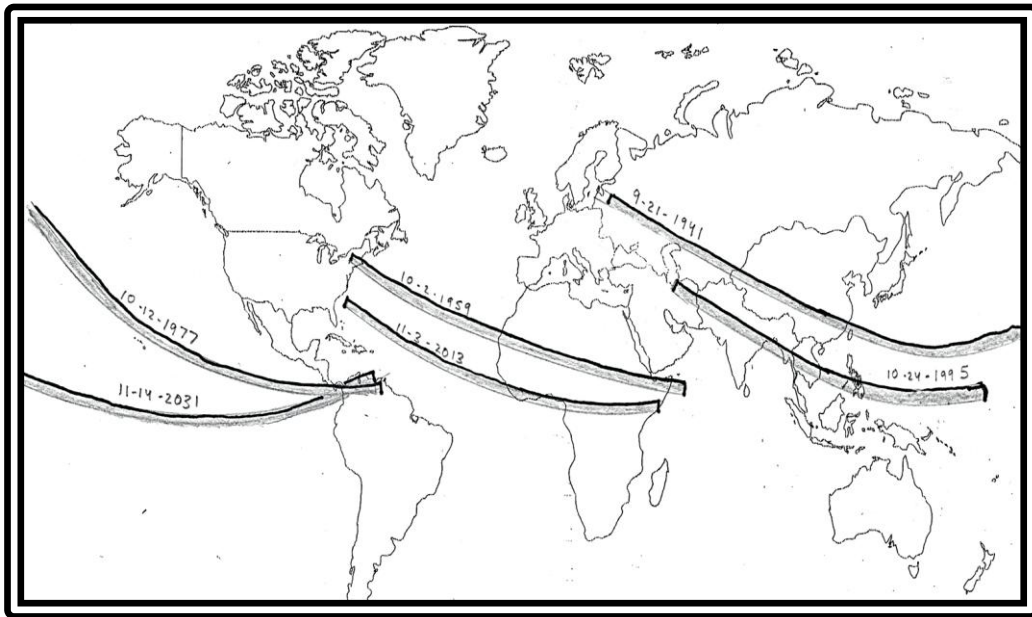
1976 Apr 29 North Africa to China

1994 May 10 USA Ring of Fire

2012 May 20 Columbus Death Day -Hanoi, Vietnam to USA (ends at Midland Sunset)

2030 Jun 1 Athens/Istanbul / Russia/Kazakhstan/ Japan

Metonically aligned with Saros 138



Saros 143 Total Eclipse: Snapshot 1923 to 2031

Saros 143 has 72 events. B. Mar 7 1617 matured Jun 24 1797

1923 Sep 10 Japan Earthquake/ L.A Metropolis (not pictured)

1941 Sep 21 Equinox USSR/China

1959 Oct 2 JFK Election Boston Single City Sunrise

1977 Oct 12 Columbus Day Metonic North Pacific to Colombia

1995 Oct 24 Iran to Southeast Asia

2013 Nov 3 Hybrid US coastal waters to Africa

2031 Nov 14 Hybrid Pacific to Panama as Totality begins to fade from Saros 143

The student of history and art may see resonance in the 18 year events portrayed in this chapter.

Metonic Cycle Relations

The Metonic Cycle is the return of the earth to exact Solar and Lunar conditions. This entails the same solar calendar date at the same lunar phase. This happens at 19 years. Meaning every moment is intrinsically linked to moments 19 years in the past and 19 years in the future. This is a constant wheel.

As we noted in the Saros chapter, another set of repetitive cosmic circumstances also repeats at the 19 eclipse year mark.

Recap of the Draco-Metonic Calendar:

Our Months:

Lunar month: 29.5 days

Eclipse (Draconic) month: 27.2 days

Our Years:

Solar Year: 365.25 days

Lunar Year: 354.3 days

Eclipse Year: 346.6 days

19 Year Draco-Metonic Alignment

19 solar years: 6939.6 days

235 lunar months: 6939.68 days

255 Draconic months 6939.11 days

The figure is typically rounded to 6,940. An extraordinary precision of alignment considering nearly 7,000 days. The reality is seemingly impossible. The only other group of solar years other than 19 that matches so precisely with lunar and draconic calendars is the incredible 391 year Grattan-Guinness Cycle.

There are also very close but not exact alignments at Metonic subcycles at the 8 year mark

(Octotaersis) and the 11 year mark. These interact with the 19 year cycle in different ways that are better illustrated than explained.

Nevertheless, here are the sun/moon Metonic alignments.

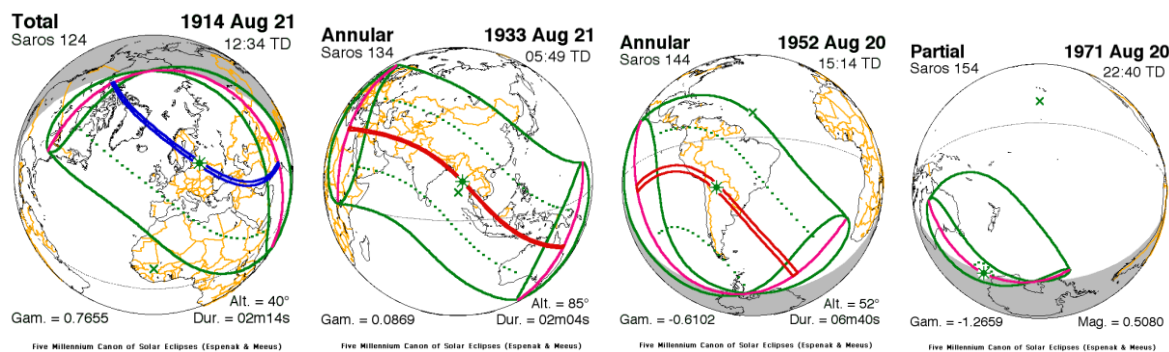
8 years (octotaersis) 8 solar years and 99 lunar months within a day alignment.

11 years -11 years and 136 lunar months within a day.

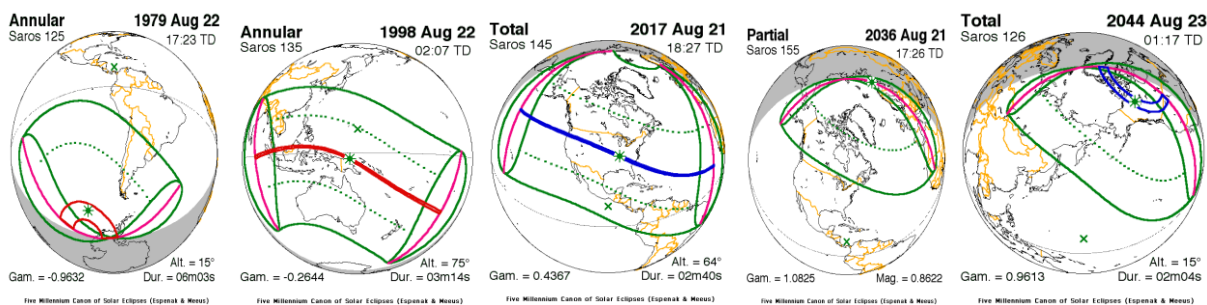
19 Years-Put the first two cycles together and you have the Metonic Cycle: sun/moon alignment within two hours.

This allow for interesting combinations. The most important are the first three multiples of the Metonic: 19. 38 and 57 years. with alignments also at 27, 46, 65, 84 and 103 years

Eclipses tend to repeat on the same calendar day for up to a century, and thus it is possible that by these relations, they help express a 19 year “theme”. remember that the date of all these eclipses is determined by their maximum at Universal Time (Greenwich time/England). This the dates are squishy along a 48 hour window, but still inexorably move on.



That was three 19 year Draco-Metonic Cycles, a 57 year time span. Now there will be an 8 year lurch (Octotearsis) followed by three more Metonics, as the date begins to move.



That’s how the true cosmic clock works, slowly rolling on in the human calendar, which slight lurches back and forth as it moved the date forward.

Skipping the two partial eclipses. which demonstrate no path, we see six draco-metonic impulses between 1914 and 2017. This is out of about 140 complete eclipses on earth during that time. Do these six show any historical ominous correlations?

Aug.21 1914- Total eclipse Europe at beginning of WWI. Pope Pius X dies day before.

Aug 21 1933- Ring of Fire at Pyramids, Jerusalem, Babylon, Persia the year Nazis rise to power in Europe . 20,000 Syrian Christians are massacred that month, 18th Zionist Congress meets that day.

Aug. 20 1952 South America. Eclipse in Bolivia in the year of revolution.

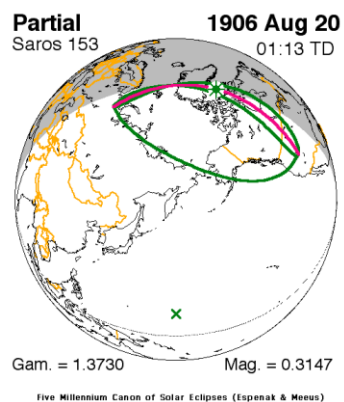
Aug 22 1979 Antarctica. Pivotal year in world of tech and in Iran and Afghanistan. Bob Dylan releases Slow Train Coming album that day, the most important and popular apocalyptic Christian music ever created.

Aug 22 1998 New Guinea eclipse one month after the great devastating tsunami of July 1998

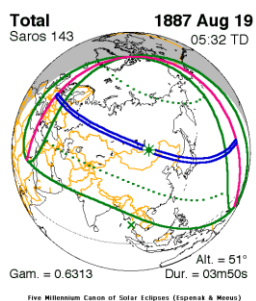
Aug 21 2017 The Great American eclipse. America divided.

So a case can be made for ominous reality in the Draco-Metonic calendar in this instance. Now let's go back a little further in time and follow the date.

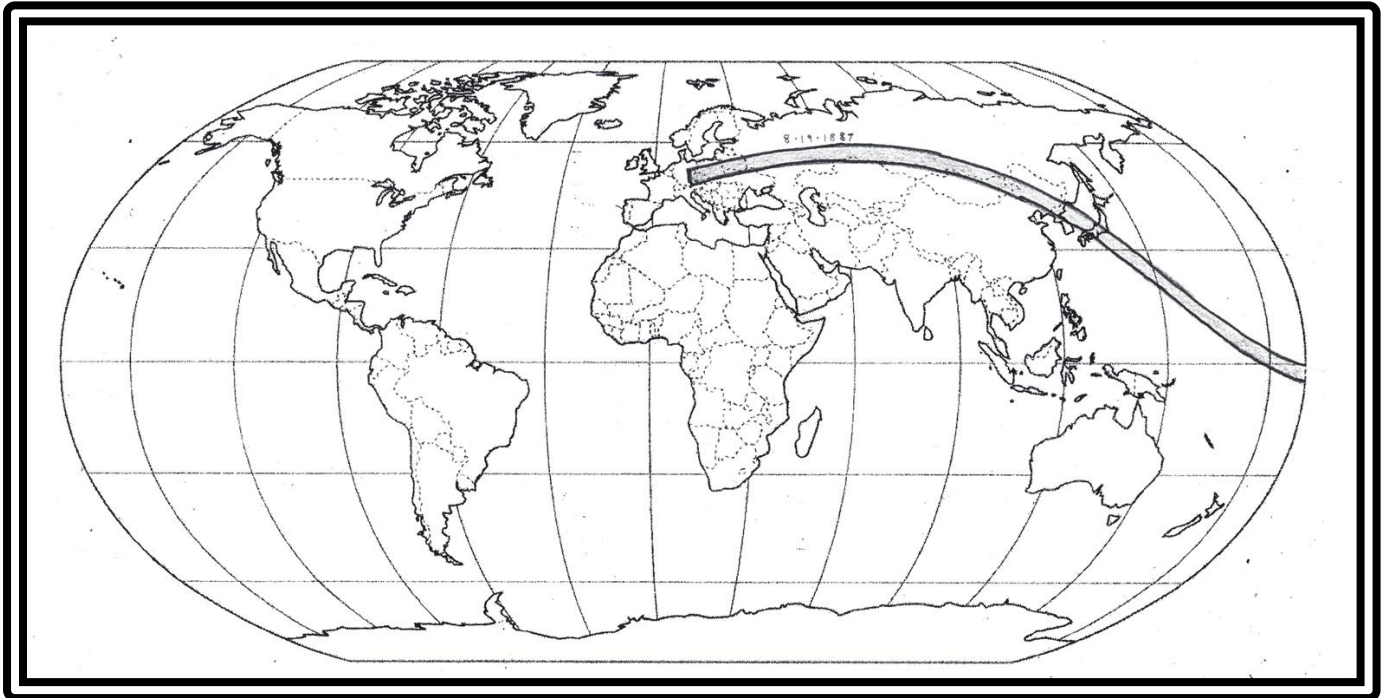
Prior to the Aug 21 1914 eclipse was an 8 year lurch (octotaersis) with a non-descript partial on the Aug 20 date.



But go back 19 years from that and you have a significant eclipse on the metonic date, which may be relevant to the entire progression. The Berlin Sunrise eclipse of Aug 19, 1887.



Berlin Sunrise 1887 Aug 19 Total Eclipse



Prior to our full accounting of all world eclipses from 1896 to 2034, one peculiar eclipse stands out.

The Total eclipse of 1887 Aug 19 begins at sunrise just west of Berlin, Germany and brings Totality to that city for the first time since 1424 (463 years) and the last time until 2135. It was the first complete solar eclipse of any kind over central Berlin since 1547, 340 years prior. Berlin has only had 8 total eclipses since the birth of Jesus, including one in 29 AD, which also skirted the Holy land.

This 1887 eclipse occurs 610 days before birth of Adolf Hitler in Branau Aum Inn, Austria on Apr 20 1889, Probably about 95%+ coverage at Hitler Birthplace.

The eclipse is 27 years and two days before 1914 Aug 21 World War One Eclipse. A 19 year Metonic plus 8 year lurch. Essentially the same Metonic.

The path: Many would suffer terribly in the next 50 years. In path: Germany, Poland, Baltics, Russia, China, Korea and Japan

Germany: Germany had the highest military death toll In WWI with some two million dead (Hitler was wounded). More than four million more German soldiers and civilians died in WWII.

Poland: Eclipse includes totality at future Auschwitz. Six million Poles died in WWII alone.

Lithuania, Latvia and Belarus: All were battlegrounds in WWI and II

Russia: totality in Moscow. At least 3 million Russians died in WWI, 20 million died in civil wars and famines after the revolution of 1917 and 25 million more died in WWII.

China: Chinese deaths in WWII are around 20 million. Perhaps 30 to 50 million more died in the civil wars, purges and famines of the 20th Century.

Korea: Korea's brutal war of 1950 to 1953 may have killed up to 8 million Koreans.

Japan: Japan lost at least 3 million in WWII.

Recap of Metonic Example

There about 35 metonic “clicks” of the cosmic calendar, about 3 per month, at any given time in history. These clicks hang around a while and then slowly move on.

For example, our current late-August Eclipse Metonic is August 21. That means all late August eclipses basically land on that date. Eclipses must land on August 20, 21st or August 22nd. If it is creating August 19th eclipses, it must belong to that prior Metonic date (either August 18, 19 or 20). We then go back in the eclipse record and note that, yes indeed, there was a solar eclipse on August 19 1887 from Berlin to China. If it is creating August 23rd eclipses, then it must belong to the Metonic between the 22nd and 24th. This occurs on August 23 2044, when the Metonic has officially moved on. It is a slippery yet oddly consistent phenomenon, made possible only by the incredible alignment of the Draco-Metonic Calendar. The cosmic timekeeping of the Metonic provides a history of the August 21st Metonic's 120-year reign during our current approximately 500-year cycle. The last Metonic prior to Aug 21 Metonic was on August 19. It showed up in **1887 Aug 19 Berlin Omen Total Eclipse**. Then we had: an

August 20, 1906 Partial eclipse then

August 21 1914 World War One Eclipse ...then 19 years...

August 21 1933 Jerusalem Ring of Fire...then 19 years...

August 20 1952 Nazca Lines (Bolivian Revolution) Ring of Fire...then 19 years

August 21 1971 Partial solar eclipse ...then an 8 year lurch

August 22 1979 Ring of Fire Slow Train Coming eclipse near Antarctica... then 19 years

August 22 1998 Ring of Fire New Guinea Tsunami..then 19 years

August 21 2017 Great American Eclipse-USA divided Salem to Charlestown...then 19 years

August 21 2036 Partial Solar Eclipse

...then 8-year lurch to August 23 2044.

By 2100 that same impulse is August 25.

See? It makes sense.

There are nine August 21-ish Metonic eclipses (including partials) in a 120-year span...Between 1906 and 2036 there were a grand total of 326 solar eclipses (including partials). This means that the August 21st Metonic occupies 1/36th of all eclipses that occurred—very close to the average of what the math should bring. There should be about 36 repeating dates sliding in and out of prominence.

You will find very little hard and fast about these dates. They slip and slide a bit. But even a child

can see the repetitive date factor at work throughout the survey of eclipses. Importantly, there will be partial eclipses which interrupt the progression of complete eclipses. They seem to work as a sort of reset, or breather. These are listed in the progression, but not studied.

Even if you don't fully understand, try looking at the maps and reality should make itself manifest.

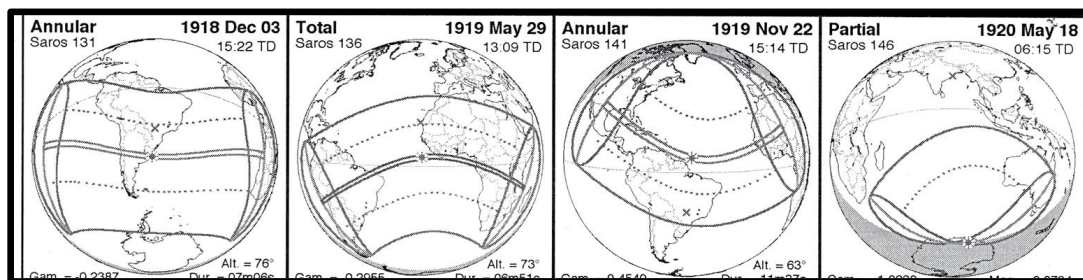
A good example is also found in JFK's birthdays and deathdays in solar eclipses in the 20th Century.

JFK METONIC ECLIPSES ARE SIDE BY SIDE THROUGHOUT TIME

THE EXTRAORDINARY JFK BIRTHDAY/DEATH DAY METONIC REALITY

As Abraham Lincoln was likely the Maximum Expression of American personality in the 19th Century, so John F. Kennedy was perhaps the Maximum Expression of that American Personality in the 20th century. In turn, the American Personality was clearly the maximum expression of personality in the global eye. That American Maximum Expression likely achieved its most influential maximum expression between 1947 and 1974, with midpoint around the murder of JFK.

John F. Kennedy was born May 29 1917 and was murdered on Nov 22 1963, the latter date being one of the most important in the post-civil war history of the United States. John F. Kennedy's birthday and death day have an unusual place in the Metonic Cycle. They reside side by side during his lifetime and in perpetuity. This means May 29th Eclipses will always be



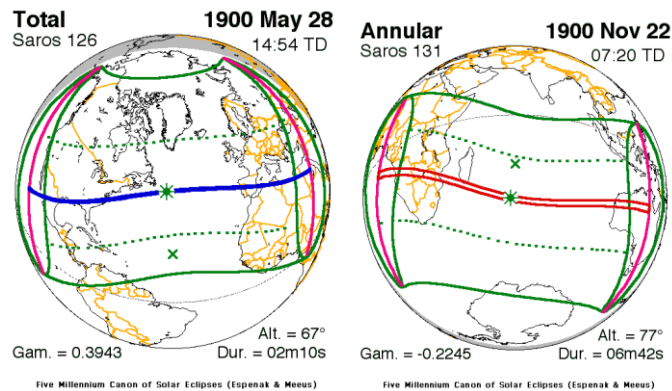
followed by a Nov 22nd eclipse that same year (with a one-day possible variation on either end). I have calculated the odds at 2.6 million to one for any human, much less a President. But who knows?

Courtesy of NASA—Esenak and Meuss

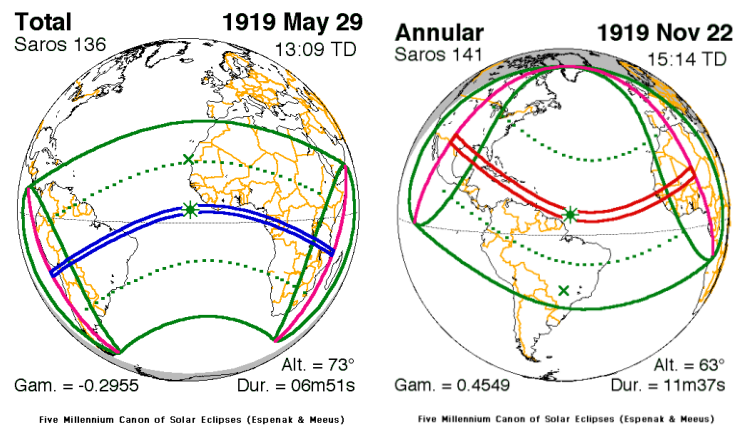
Above, in the middle of the map, the Metonic of JFK birthday and death day sit side by side in 1919 when JFK is two years old. His birthday and death day are forever enshrined side by side in the cycle of eclipses 177 days apart (essentially one eclipse season or “semester series”). Since Kennedy was both born and killed on a Metonic, he was exactly 49 eclipse (Draconic) years old - minus a few days (which is part of the draconic reality)-when he was murdered. As we've noted elsewhere, Metonics are often given a one-day flexibility because of the realities of rotation, time zones, leap years and date lines.

Summary of JFK Metonic Eclipses in 20th Century/ JFK born May 29 1917 Died Nov 22 1963

May 28 1900 and Nov 22 1900. The first eclipses of the 20th century were on the JFK Metonic.



Next, May 29 and Nov 22 1919 (year he turned 2) perfect birth and death day alignment eclipses. Both western hemisphere. One in the USA.



1919 May 29 Einstein's eclipse on JFK 2nd birthday. Theory of relativity proved.

1919 Nov 22 JFK death premonition 44 years before death. over Texas and Cuba Eclipse

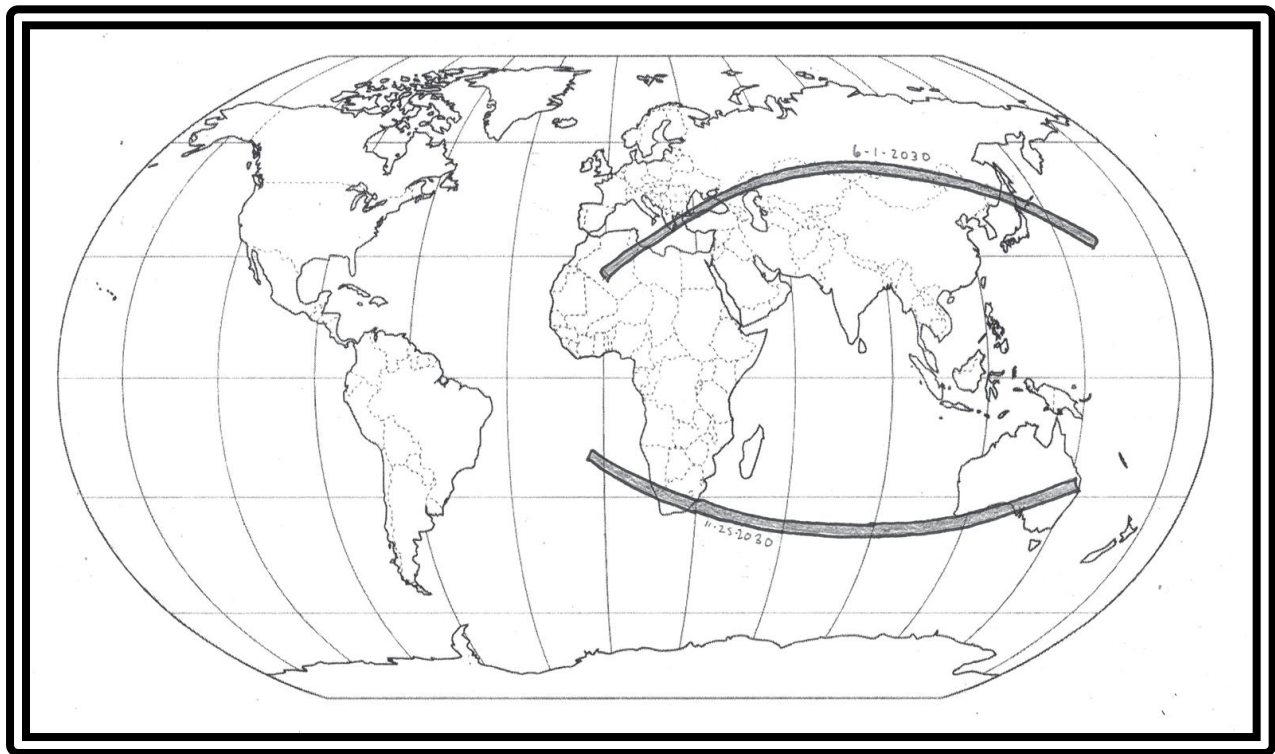
May 29 and Nov 21/22 1938, (when he turned 21)

May 30 and Nov 23 1946 (when he turned 29) 1946 is the year he's first elected to Congress. Both partial eclipses- on the 8-year Metonic lurch.

May 30 and Nov 22/23 1965 (2 years after death) the first complete solar eclipses on earth after his assassination.

May 30 and Nov 22 1984 (21 years after his death). May 30 travels over USA, very close to Washington DC during Reagan/Bush years and over MLK home of Atlanta.

After 1984, the Metonic moves on with May 31st and Nov 23 2003 eclipses. By 2011, The Metonic has progressed to June 1st and Nov 25th. Following the metonic movement, that same click of the clock next occurs during the eclipses of 2030.



2030 Eclipses-Both Occur in Eastern Hemisphere

2030 June 1 Athens/ Istanbul Ring of Fire—Africa to Japan (Saros 128)

2030 Nov 25 British Empire-South Africa to Australia Total (Saros 133)

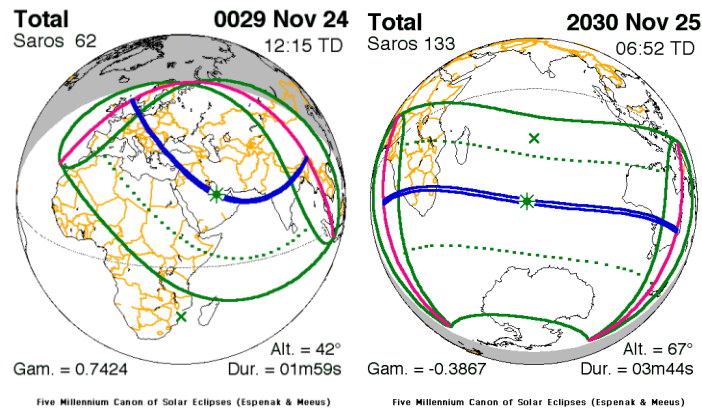
The 2030 eclipses have unusual symmetry. The two eclipses begin and end very near to each other on similar longitudinal lines.

2030 June 1 Athens/ Istanbul Ring of Fire—Africa to Japan (Saros 128) An extraordinary path beginning at sunrise near Gara Samani, Algeria. Eclipse crosses Libya, the Mediterranean, Turkey, war-torn regions of Crimea and Southern Ukraine (annularity in Mariupol), follows the entire southern border of Russia and exits after crossing Japan. Great cities along the path include Tripoli (second complete eclipse in 3 years), Athens, Istanbul, (Constantinople). Volgograd in Russia, Sapporo, Japan. 71% in Moscow, 75% in Kyiv, 63% in Jerusalem.

2030 Nov 25 British Empire-South Africa to Australia (Saros 133) Hepton Cycle Monday Eclipse. 1211 days from 8-2-2027 Mideast Eclipse. 2422 days from USA 4-8-2024 eclipse. Creating an extraordinary cup of Empire (see all land masses to north of eclipse) Almost all open ocean except crossing entirety of South Africa (totality in Durban) and southern Australia. Enters first at tiny town of Mount Mary. Reaching almost perfectly to the Gold Coast just north of Brisbane. Occurs on what would have been JFK Jr's 70th Birthday.

Now consider that last eclipse on Nov. 25 2030, which completes 130 years of the JFK metonic with an eclipse on what would have been JFK Jr.'s 70th birthday. we can look to the Jesus Alignment to see if we can get any insight from the 2001 year alignment.

It turns out that the solar eclipse which followed on the heels of the beginning of the ministry of Jesus Christ and John the Baptist is on that metonic.



During the eclipse of Nov. 24 29 AD, there was a 100% total eclipse in Nazareth and the Galilee. This was important I believe in launching messiah fever!

The same day, The Bithynia earthquake of November 24, 29 AD struck northern Anatolia (modern-day Turkey), nearly destroying the ancient city of **Nicaea**. Same town as the council of Nicaea. It was having a total eclipse when the earthquake struck, apparently. News of these two events must have spread around the empire, simultaneous to the beginning of our Lord's and John the Baptist's ministry.

Luke 3:1 states that John the Baptist began preaching in the "fifteenth year of the reign of Tiberius Caesar," shortly before baptizing Jesus. Roman Senate confirmed Tiberius on August 19, 14 AD. Tiberius's 15th year likely **29 AD**.

The 2001 Jesus Alignment is the far reaches of the metonic riddle.

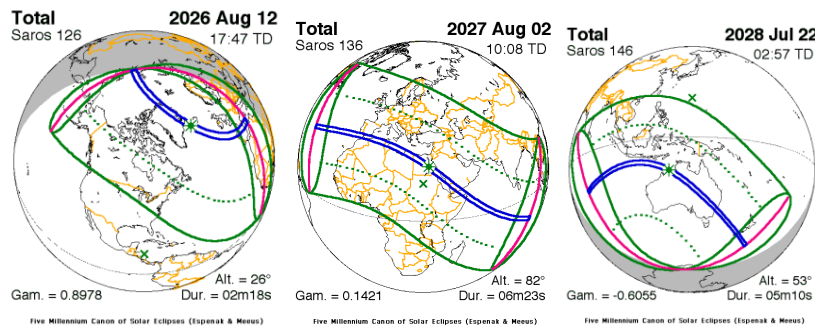
It is made possible by the co-ordination of two draco-metonic cycles: the 391 year Grattan-Guinness Cycle, which is the perfection of cosmic timekeeping, and a 46 year Metonic

Great Metonic Sub-cycles

There are several important Draco-metonic sub-cycles which also may bear messages.

The Lunar Year Triad. A lunar year is 354.3 days, 11 days shy of a solar year.

Because of the bizarre precise co-ordination of the calendars, eclipses often occur on lunar year anniversaries, in duos or trios. Here's some quick examples from current and upcoming eclipses. Here's a trio of great total eclipses one lunar year apart from each other



Aug 12 2026 crosses Spain.

Aug 2nd 2027 Gibraltar, Valley of the Kings and Mecca.

July 22 2028 Sydney.

A lunar year triad of total eclipses.

8 years-Octaeteris: is the period of eight solar years after which the moon phase occurs on the same day of the year plus one or two days. Was used to determine the Olympiad. 99 lunar months equals 8 years plus about one day.

After three 19 year metonics, this 8-year cycle arrives and lurches the calendar day forward, and resets the 19 year metonic for another three times, as seen in these examples of the progression of an eclipse date.

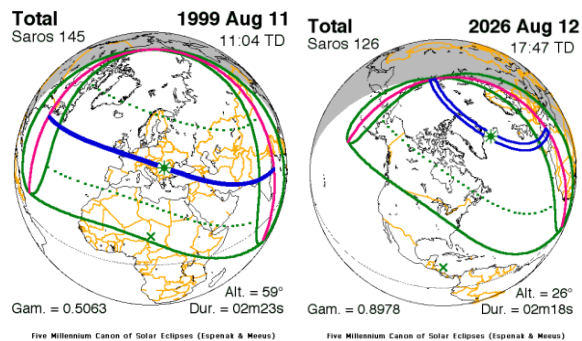
5-17-1882—(Saros 126) afterwards 19 years
 5-18-1901---(saros 135) then 19 years
 5-18-1920---(Saros 146) then 8 year lurch
 5-19-1928 --(Saros 117) 19 years 3 times in a row
 5-20-1947—(Saros 127)
 5-20-1966—(Saros 137)
 5-19-1985—(Saros 147) then 8 year lurch
 5-21-1993—(Saros 118) then 19 years 3 times in a row
 5-20-2012—(Saros 128)
 5-21-2031---(Saros 138)
 5-20-2050—(Saros 148) then 8 year lurch
 5-22-2058--- (Saros 119)

11 year Subcycle: 136 lunar months is about a day shy of 11 years. The 11 year cycle does not produce repeating eclipses, just a rough lunar alignment.

Add the 8 year and 11 year cycle together and you get the super precise 19 year Metonic Cycle, which is essentially identical to 235 lunar months (within two hours).

Because of the various ways these cycles can be added. You get alignments with possible messaging capabilities at:

27 years: One Metonic Cycle plus one Octaeteris. Here's an example. The great European Aug 11 1999 eclipse with its 27 year companion arriving over Spain and Iceland Aug 12 2026.



38 Years: Two Metonic Cycles

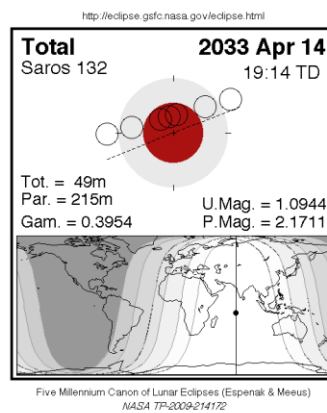
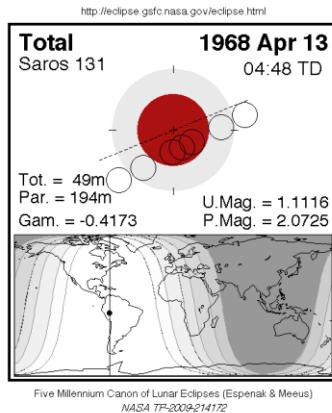
46 Years: Two Metonic Cycles and an Octaeteris. About four hours off. Pretty precise. This subcycle, when added to five Grattan-Guinness cycles of 391 years each (1955 years), helps to create the Jesus Alignment. Of note, the number 46 years is one of the only specific large scale time frames mentioned in Jesus' conversations with the religious authorities.

On account of this, the Jews demanded, "What sign can You show us to prove Your authority to do these things?" Jesus answered, "Destroy this temple, and in three days I will raise it up again." "This temple took forty-six years to build," the Jews replied, "and You are going to raise it up in three days?"

John 2:18

57 Years: Three Metonic Cycles

65 years: Three Metonic Cycles and an 8-year Octaeteris. There is a 65-year cycle between the USA Lunar eclipse which followed the 1968 assassination of Martin Luther king and the 2033 eclipse over Jerusalem. (NASA shows lunar eclipses in white)



Hepton Cycles

The Hepton facts:

Hepton means "7-sided". There are 7 eclipses in each Hepton cycle.

These 7 eclipses appear at intervals of exactly 7 eclipse seasons, or 1211 days apart... (which is 3 1/2 eclipse years). Alternating Hepton eclipses are 2422 days apart, or 7 eclipse years.

Heptons nearly always occur on the same day of the week (with occasional orbital variation). In their current cycle, Hepton One eclipses occur on Monday and Hepton Two eclipses happen on Saturday.

It takes 7266 days for a Hepton Cycle to run through all seven eclipses from beginning to end. A full Hepton Cycle is 21 eclipse years, obviously a multiple of seven and three, the two most important sacred numbers in Christianity and ancient wisdom.

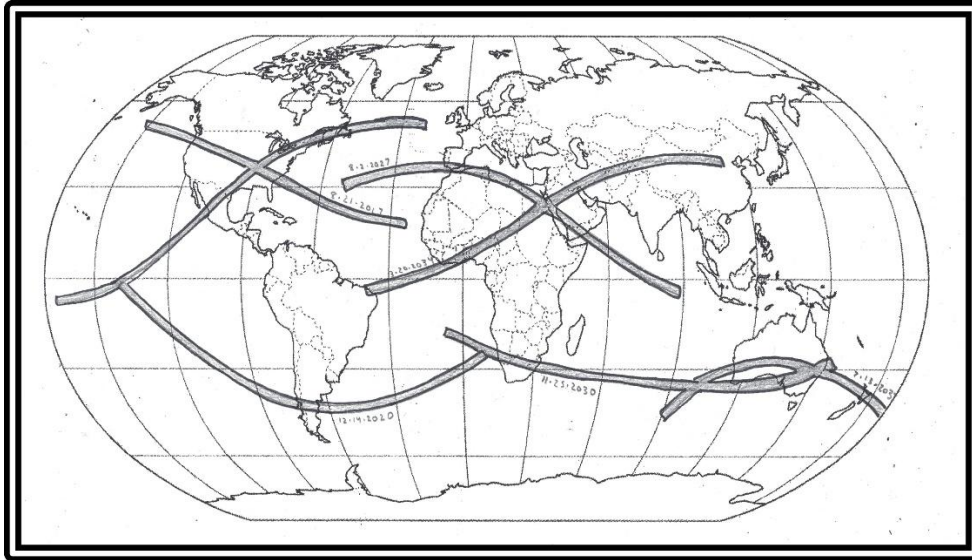
7266 days equals 19 solar years, 10 months and 22 days, or 20 solar years minus 40 days.

A full Hepton has a lifespan composed of 10 repetitions of the same 7 Saros Cycles, or 70 eclipses altogether over the course of exactly 210 eclipse years.

Hepton One is currently composed exclusively of seven total eclipses.

Hepton Two currently has five ring of fires and two totals.

The current judgment eclipses of Egypt and Little Egypt are Hepton Cycles.



Hepton One Chapter Eight-Mondays 2017 to 2037 3 Hepton Crosses in one Chapter. Perhaps the maximum expression of all modern eclipses.

2017 Aug 21 USA Divided/ Great American Eclipse (Saros 145) More at USA Eclipses. No other nation touched. First USA total eclipse in 38 years. Entrance at Salem. Exit at Charleston. Maximum eclipse in Makanda (the “star of Egypt”) Illinois.

2020 Dec 14 Electoral College Eclipse (Saros 142) Eclipse occurs at bottom of South America while the new President and Vice-president are being elected by the Electoral College in Washington, DC.

2024 Apr 8 North American Eclipse (Saros 139) South to North across Mexico, USA and Canada. More populated cities in path than any eclipse in the history of the Western Hemisphere.

2027 Aug 2 Valley of the Kings/ Mecca (Saros 136) 6 minutes and 23 seconds, there won't be a longer total eclipse until 22nd Century. Rock of Gibraltar, Tripoli, Libya, Valley of the Kings, the great Egyptian necropolis. Total eclipse in the Holy city of Mecca, Saudi Arabia.

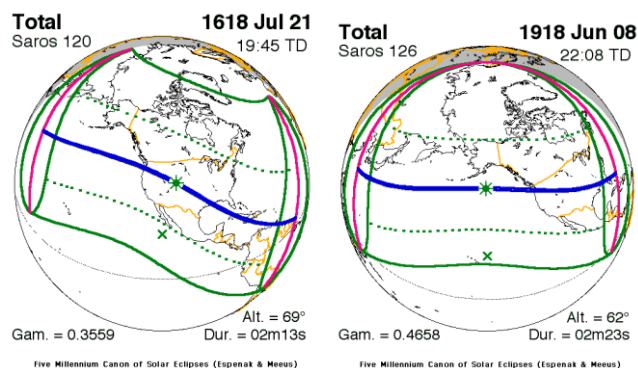
2030 Nov 25 Ghost of British Empire (Saros 133) South Africa to Australia. Ending up at sunset over Botany Bay and Sydney. Occurs on what would have been JFK Jr's 70th Birthday.

2034 Mar 20 Spring Equinox Hepton Cross (Saros 130) More on this elsewhere. Creates 7 eclipse year cross with 2027 Valley of the Kings. New Year's Day in many other cultures.

2037 Jul 13 Australia and New Zealand (Saros 127) Forms the third and last Hepton Cross of this chapter in conjunction with 11-25-2030 eclipse, apex in remote southwest New South Wales.

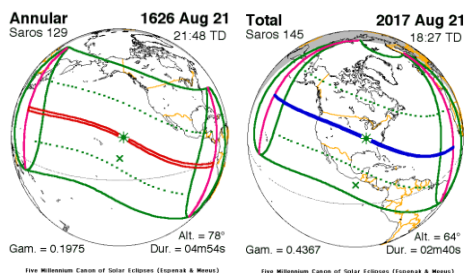
300/44 Cycle

Solar eclipses can (but not necessarily) return to the same general vicinity every 300 years minus 44 days. Here's two USA eclipses showing that.



391 Year Grattan-Guinness Cycle

The perfection of cosmic timekeeping, only made perfect after Gregorian Calendar adjustment reset in 2000. These eclipses occur 3 hours apart 391 years distant.



391 Year Grattan Guinness Cycle: 391 years is the nearly perfect alignment of solar, lunar, and draconic yearly calendars. It is the only place after the number 19 where the three calendars match dramatically. They match within hours.

391 solar years equals

4836.005 lunar months and

5248.002 Draconic months.

391 solar years equals 403 lunar years and 412 eclipse years.

(Thanks to Chris Grant of Brigham Young University for precise modern calculations).

There is reason to suspect the 391-year pattern may bear evidence in history, but this work can only suggest this prospect.

Here's one way to look at it. Call it the "Babylon to Babylon" approach.

Seven Impulses of the 391 Year Cosmic Clock in Western History

1. 747 BC (Feb 26) the first truly agreed upon date in the history of western civilization. The Crowning of King Nabonassar of Babylon.
2. 356 BC Birth of Alexander the Great, Greek Conqueror and founder of Greco-Roman Empire.
3. 35 AD Jesus executed sometime between 27 and 34 AD. Near height of Roman Empire. Beginning of the Christian Church.
4. 426 AD Sack of Rome by Visigoths 410 AD. Decline of Roman Empire and dissolution in 476AD. Beginning of Papacy. Augustine publishes City of God. Beginning of "Dark Ages"
5. 817 AD Holy Roman Empire begins in Europe 800 AD as Charlemagne is crowned by Pope Leo III. Expansion of Papal power. Muslim Golden Age. Middle of "Dark Ages."
6. 1208 AD Roman Church persecution of "heretics" and "infidels" begins in 1209 with the Albigensian Crusades. The Inquisition authorizes torture in 1252 in what becomes a centuries long campaign against Jews and heretics. Spain and Portugal's colonial efforts, papal power extends across the Atlantic. Between disease and war perhaps 150 million native Americans and Europeans died. The Maximum Expression of the Dark Ages.
7. 1599 AD Reformation. British begin colonizing North America May 14 1607. The last Empire is born. The period of the maximum expression of war, slavery, conquest, freedom and creativity.
8. 1990 AD (Aug 2) Iraq invades Kuwait. Empire circuitously returns to Babylon. The American Empire sends troops, preparing for war against Baghdad, which sits atop the ruins of Babylon. After defeating ruler Saddam Hussein (Saddam means "one who confronts" in Arabic). This is exactly the completion of seven 391-year cycles. On Jan 14 1991, war breaks out and ground troops actually enter Iraq on Feb 26, the 2738th anniversary of the first King of Babylon. US Coalition forces first occupied the ruins of Babylon in April 2003.

This is a rough sketch of a reality that perhaps resonates in these long cycles. Taken from the 70 AD temple destruction, five periods of 391 years lead us to 2025.

The Personalities and Peculiar Numbers are outlined later in the Appendix section.

In 1492, the continents affected are outlined.

In 1496, Mayan Apocalypse.

In early 1600's swarm, British colonization.

Revolutionary War Swarm.

New Madrid.

Trail of Tears.

Civil War...Farewell Father Abraham.

The Conquering of the West.

Egypt to USA.

WWI eclipse Premonition June 28 1908

American Century Swarm 1918 to 1932

Emanations 1945 to 1959

Boston 1959 to 1970

Brave New World 1979/1984

LA Sunset 1992

GW BUSH/ Barack Obama 1994

Hanoi to Midland 2012

American Aleph

The Final Countdown—The Spring Equinox Metonic

March 20 2015 to March 20 2034

Spring Equinox New Year's Day

Chapter Seven

2015 to 2034 Spring Equinox Eclipse Metonic

2015 to 2034 Spring Equinox Eclipse Metonic

This is a summary of the Solar Eclipse Chapter we are living in.

March 20 is the current day of Spring Equinox.

There was a total solar eclipse on March 20 2015.

There will be a total solar eclipse on March 20 2034.

These dates are exactly 19 years apart, or 6,940 days.

There were 26 complete solar eclipses during that 19 year time span. 12 are total. 12 are Ring of fires. 2 of them are hybrids.

Two solar eclipses show up on Spring Equinoxes in the time we live. The time we live in is the 2,000th anniversary of the adulthood and ministry of Jesus. As it happens, our eclipses happen to mirror that time. There was a solar eclipse on March 19/20 two weeks before Jesus traditionally was crucified.

Welcome to Draco-Metonic reality, God's cosmic timekeeping. More about this in the next chapter.

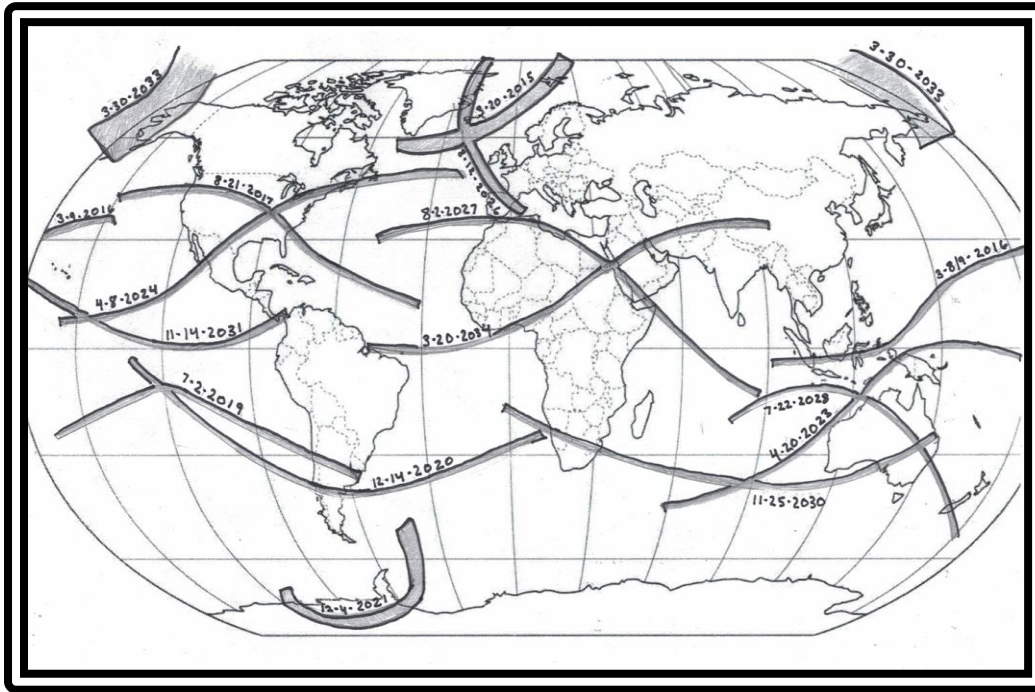
In this chapter we briefly look at all complete solar eclipses (and a few famous lunar eclipses) between the Spring Equinoxes of 2015 and 2034. I have chosen the Spring Equinox Eclipses to define this Metonic. Any eclipse date would do as a starting point, because eclipses come in cycles, not in some straight line. But since there happen to be Equinox Eclipses in our current history, that makes a logical place to start for a number of reasons.

Why is the Spring Equinox Important? The Spring Equinox is an ancient signpost for cultures of the northern latitudes. It is the first day of the year for billions of people, or signals when that first day starts. It helps define the religious calendars of half the world. Symbolically, it is where day and night are equal length. A new moon on Spring Equinox is a somewhat rare occasion in and of itself. A solar eclipse added to that is tremendously rare.

There have been only 7 complete eclipses on March 20th between 403 BC and 2014 AD. Of those: 3 were total, 2 hybrid and two annular. Only two of these touched major civilizations. Between 2015 and 2053 there are 3 March 20 eclipses.

Let's survey all complete solar eclipses on earth in the 2015 to 2034 Spring Equinox Metonic. We begin with an overview and then break down the individual eclipses into smaller units.

All Total Eclipses Between March 20 2015 and March 20 2034

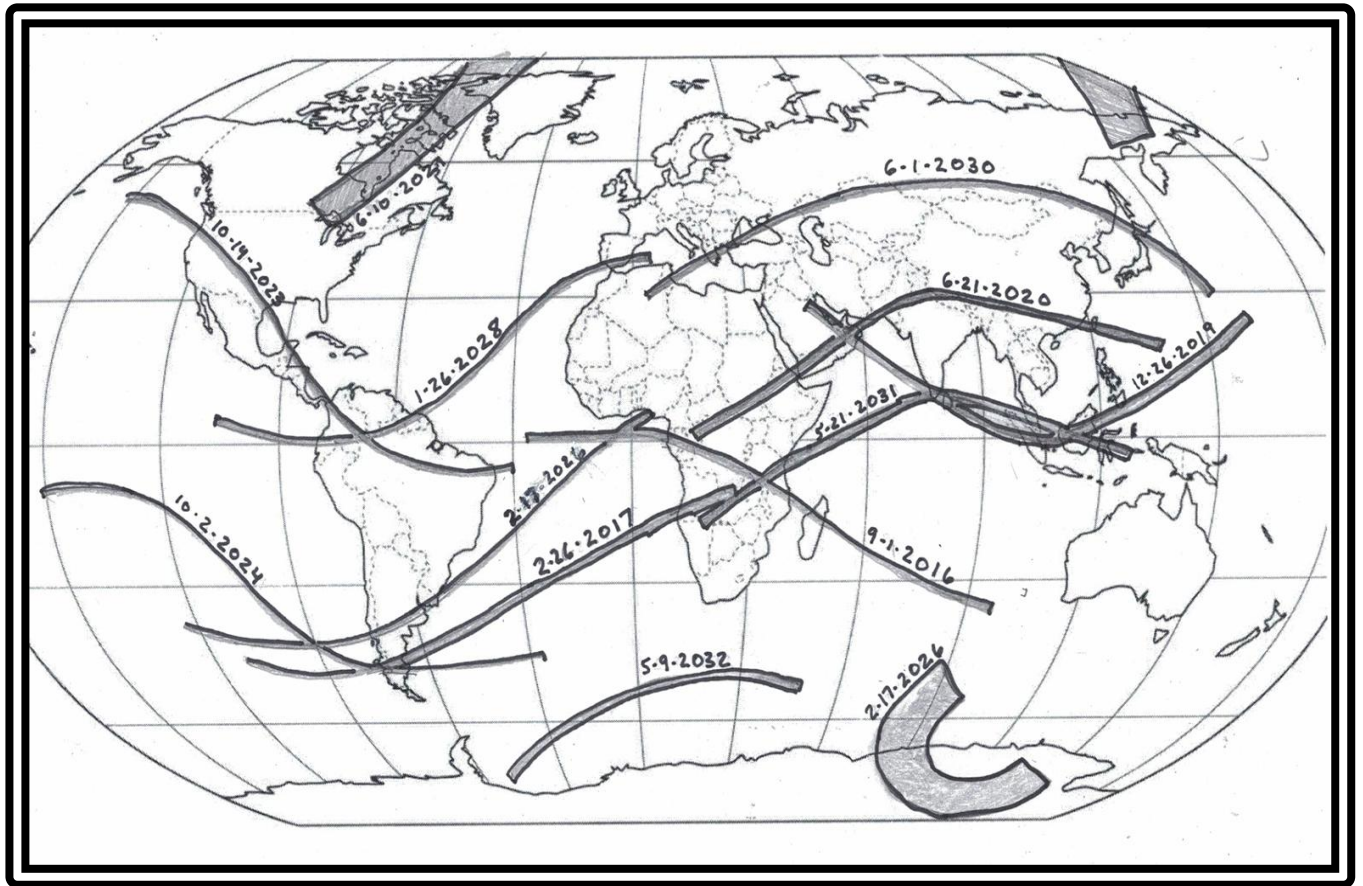


19 Year Spring Equinox Metonic Totals 2015 to 2034

- 2015 Mar 20 North Pole Spring Equinox (Saros 120)
- 2016 Mar 9 Indonesia/ Malaysia (Saros 130)
- 2017 Aug 21 Great American Eclipse (Saros 145)
- 2020 Dec 14 Electoral College Eclipse (Saros 142)
- 2021 Dec 4 Antarctica (Saros 152)
- 2023 Apr 20 Hitler Birthday Hybrid Australia/New Guinea (Saros 129)
- 2024 Apr 8 Great North American Eclipse (Saros 139)
- 2026 Aug 12 Spain/Reykjavik (Saros 126)
- 2027 Aug 2 Valley of the Kings (Saros 136)
- 2028 Jul 22 Botany Bay/ Australia Judgment (Saros 146)
- 2030 Nov 25 British Empire/ JFK Jr. 70th Birthday (Saros 133)
- 2031 Nov 14 Panama Isthmus Hybrid (Saros 143)
- 2033 Mar 30 Bering Strait 2,000 Anniversary of Christ Entry to Jerusalem (Saros 120)
- 2034 Mar 20 Great Civilization (Saros 130)

This is the first Mar 20 Metonic since the Mar 20 Metonic of 1643 to 1662. There are twelve totals and two hybrids mapped. Looking at the dates, you will notice many of them are exactly one lunar year apart. You will see around 11 days removed from one solar year eclipse date to the next solar year eclipse date. For instance, look at the first two on the list, and then the others. The first eclipse is Mar 20 2015. The second is Mar 9 2016. One lunar year is 354.3 days. Same phase of the moon, of course. Solar eclipses only happen at new moon.

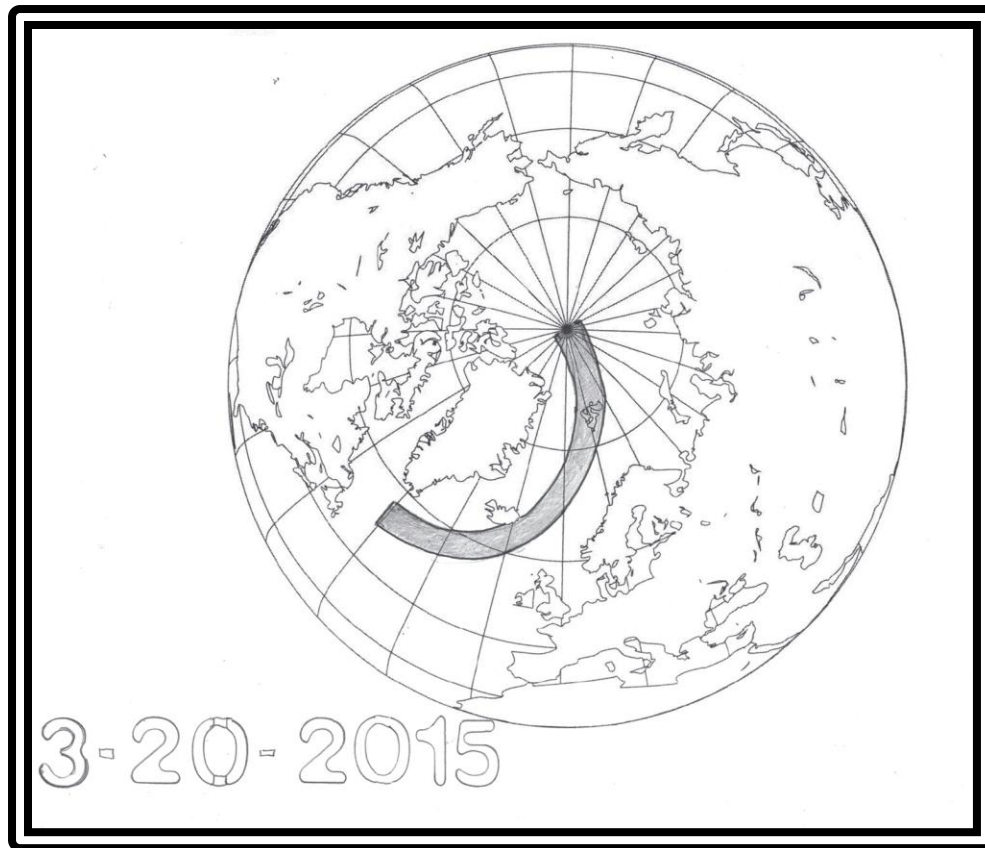
All Ring of Fires 2015 to 2034



Ring of Fires 2015 to 2034

- 2016 Sep 1 Africa (Saros 135)
- 2017 Feb 26 South America to Africa (Saros 140)
- 2019 Dec 26 Tsunami Anniversary Indonesia/Sri Lanka (Saros 132)
- 2020 Jun 21 Pandemic Summer Solstice Father's Day (Saros 137)
- 2021 Jun 10 Canadian Judgment Thunder Bay (Saros 147)
- 2023 Oct 14 Great American Ring of Fire (Saros 134)
- 2024 Oct 2 Pacific to Patagonia (Saros 144)
- 2026 Feb 17 Antarctica (Saros 131)
- 2027 Feb 6 Slave Trade Route Eclipse Rio to Africa (Saros 131)
- 2028 Jan 26 Spain Ring of Fire (141)
- 2030 Jun 1 Athens/Istanbul Great Eurasian Ring of Fire (Saros 128)
- 2031 May 21 Dar Es Salaam/Thiruvananthapuram Temple of the Sun/ Indonesia (Saros 138)

Here are the 12 Ring of Fires in 19 years. There is a Ring of Fire across South America on Sep 12 2034, but that is outside the Spring Equinox Metonic, which ends on Mar 20 2034.



The 2015 Spring Equinox North Pole Eclipse

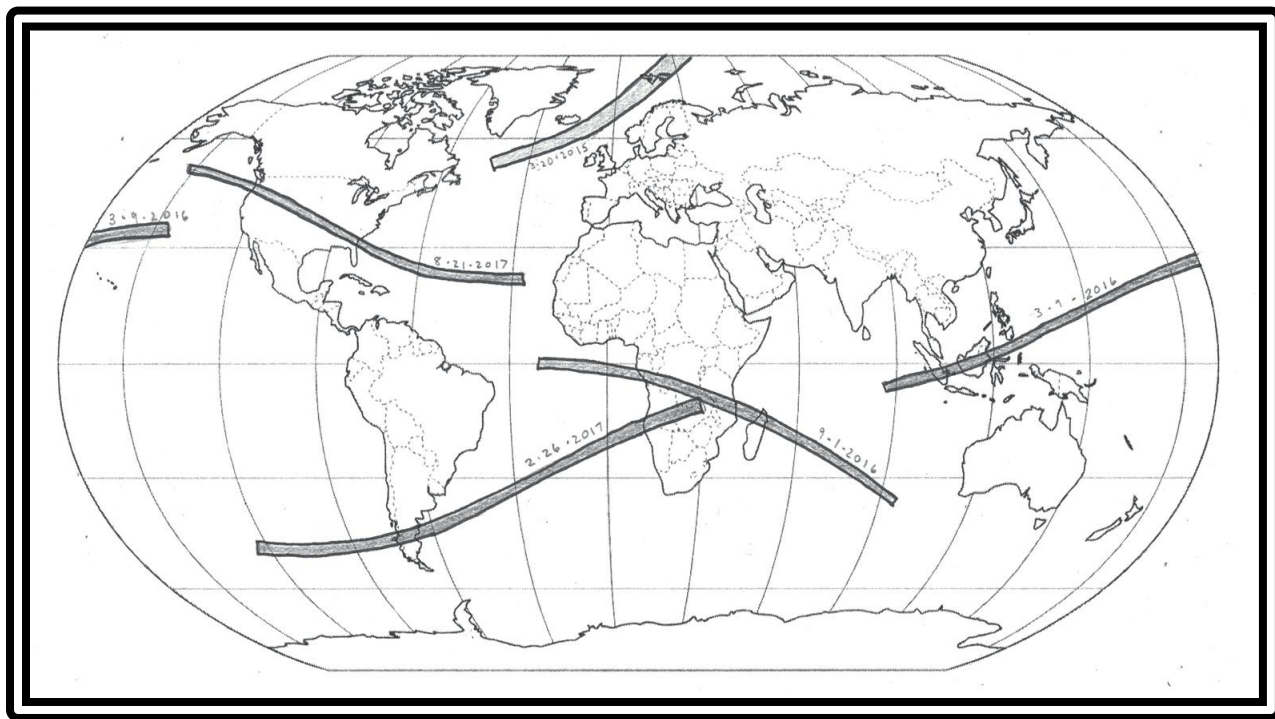
Spring Equinox Eclipse March 20 2015 ends directly at the north pole.

It's the only complete eclipse of 2015. It occurred two weeks before a Passover Lunar Eclipse of Apr 4 2015, exactly 47 years after murder of Martin Luther King and 1982 years and one day after traditional date of Jesus Crucifixion (33 AD Apr 3). This is the first solar eclipse after the famous Oct 8 2014 Feast of Tabernacles Blood Moon Lunar eclipse.

Visible from Svalbard Islands, one of the northernmost inhabited places on earth. The Eclipse ended immediately at the North Pole, but I have found no evidence of anyone traveling to the North Pole to see it. Of course, that can be a rough place to get to. Maybe Santa and Rudolph saw it.

It is unclear whether any documented total solar eclipse has ever ended directly at the North or South Pole or if any will happen again. It was an extraordinary geographic and cosmic occurrence.

This is the Solar beginning of the Metonic which ends 19 years later with the 2034 Equinox Eclipse. This is also the second to last complete eclipse of the Saros 120 personality (more on what that means later), which has been a star of eclipse history for centuries. Saros 120's last eclipse, on 2033 Mar 30, is its coup de grace.



2015 to 2017 Lunar Year Triad and Duo

The Triad: Three eclipses each separated by one lunar year. See dates go 11 days back each eclipse.

2015 Mar 20 Spring Equinox North Pole Eclipse Total (Saros 120)

2016 Mar 9 Nyepi Day Indonesia and Malaysia Total (Saros 130)

2017 Feb 26 South America to Africa Ring of Fire (Saros 140)

Duo: Two eclipses separated by one lunar year

2016 Sep 1 Africa Ring of Fire (Saros 135)

2017 Aug 21 Great USA Eclipse Total (Saros 145)

2015 Mar 20 North Pole Eclipse Total (Saros 120)-discussed at beginning of chapter.

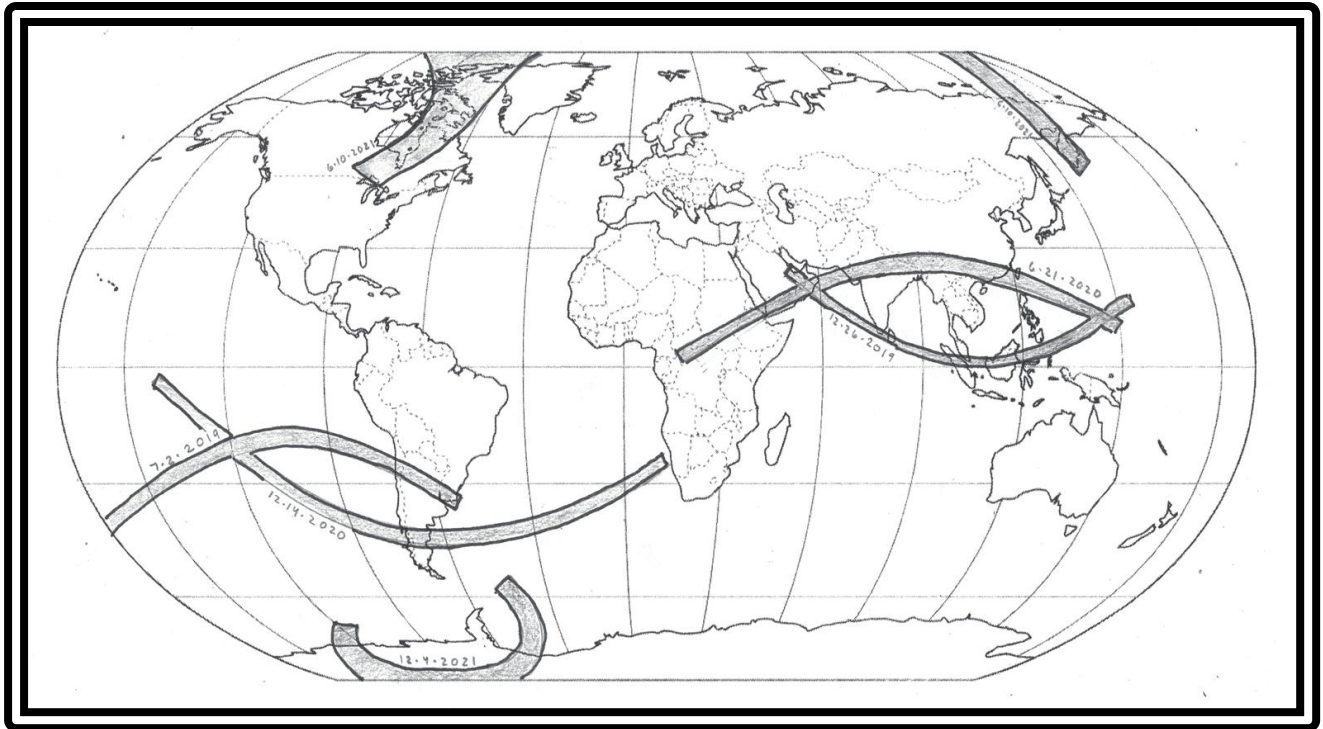
2016 Mar 9 Nyepi Day Indonesia and Malaysia Total (Saros 130) occurred on holiday of Nyepi, when most Indonesians take a day of silence.

2016 Sep 1 Africa Ring of Fire (Saros 135) From Gabon to Congo, Tanzania through Madagascar

2017 Feb 26 South America to Africa Ring of Fire (Saros 140)

2017 Aug 21 Great USA Eclipse Total (Saros 145) discussed at length elsewhere. Hepton Cycle Monday Eclipse. The most viewed American eclipse of all time. America Divided. First major city in totality was Salem, Oregon--the largest US city named after Jerusalem. The last city in the path is Charleston, South Carolina --the apex of the American slave trade. Occurs 38 years after the last total eclipse visible in the US, which occurred on Feb 26, 1979. Note date of prior eclipse in 2017.

Partials occur on 9-13-2015, 2-15-2018, 7-13-2018, 8-11-2018, 1-6-2019.



2019 to 2021 Double Pandemic Eclipse Triad

2019 Jul 2 Pope Francis Buenos Aires Hepton Total (Saros 127)

2019 Dec 26 Tsunami Anniversary on Tsunami Path Ring of Fire (Saros 132)

2020 Jun 21 Summer Solstice Father's Day Pandemic Ring of Fire (Saros 137)

2020 Dec 14 Electoral College Total (Saros 142)

2021 Jun 10 Canadian Judgment Ring of Fire (Saros 147)

2021 Dec 4 Antarctica Total (Saros 152)

In the two years of the big pandemic, interesting artistic balance and geographic/ Metonic peculiarities. South Asia is framed nicely in an eye or fish created by 6-month eclipses. In the western hemisphere, a similar duo is formed by eclipses over almost 18 months.

The 2019 Dec 26 and 2020 Jun 21 eclipses cross in two places. The far eastern cross has apex on southern tip of Guam. Its western cross has an apex in the desert just south of city of Nizwa, Oman.

2019 Jul 2 Pope Francis Middle of Year Buenos Aires Hepton Total (Saros 127) The second eclipse of the Monday Hepton Series. At the exact midpoint of Calendar year, the 183rd day of the Gregorian solar calendar year with 182 left to go. Crosses South America (Totality entering at La Serena ("calm"), Chile. Totality over San Juan (Saint John), Argentina, ending at sunset at Pope Francis birthplace of Buenos Aires, Argentina, 2302 days after his becoming Pope. Leaves nation at Dolores (sorrows),

2019 Dec 26 Tsunami Anniversary on Tsunami Path Ring of Fire (Saros 132) On the 15th anniversary of the greatest recorded Tsunami in human history, an annular solar eclipse follows the Tsunami path of Dec 26 2004 backwards between Arabia and Indonesia. Path is the one on the most lower right of map. Beginning in the Middle east at sunrise-44% coverage at Baghdad (Babylon), 60% coverage at Tehran, Iran. Annularity begins just north of Saudi capital of Riyadh, with 87% coverage. First true annularity is seen in ancient oasis city of Hofuf, Saudi Arabia, near the largest oil field in the world. Hofuf is said to be the burial place of Laila and Majnoon, stars of the most popular love story in the Arab and Muslim world. The Queen of Sheba is said to have visited this city from her kingdom in Yemen. Eclipse crosses Oman, where tsunami waves went ashore on Dec 26 2004. Eclipse annularity crosses Indian Ocean, southern India and Sri Lanka, where more than 30,000 people died in the tsunami. Eclipse passes over Aceh Province of Indonesia, close to the epicenter of the earthquake. Crosses Malaysia and Singapore. Eclipse ends after Guam.

A truly strange and remarkably unnoticed synchronicity of calendars, eclipses, geologic events and geography. This eclipse occurs in the very days that the first reports of what became known as Covid-19 are being analyzed in Wuhan, China (Wuhan has 18% coverage around sunset)

2020 Jun 21 Summer Solstice Father's Day Pandemic Ring of Fire (Saros 137) Summer Solstice. Father's Day. Very close to total eclipse with 99% coverage at many places. Begins in Africa at sunrise in the Congo, crosses Sudan and Ethiopia. Through the Red Sea and Yemen. Pakistan (91% in Karachi—annularity in Sukkur), Northern India (94% in New Delhi). Bisepts Tibet (94% in Lhasa). Crosses nearly 2,000 miles of China, exiting directly over city of Xiamen, then crossing Taiwan (92% at Taipei) as the Pandemic shuts the world down. 83% annularity in Wuhan, China.

2020 Dec 14 Electoral College Total (Saros 142) The precise midpoint of the 2017 and 2024 USA Hepton eclipses. Dec 14 2020. That day (which is also the 221st anniversary of George Washington's death on 1799 Dec 14), between 10am and 5pm Eastern time, the Electoral College certifies Joe Biden and Kamala Harris as President and Vice-President of the United States of America.

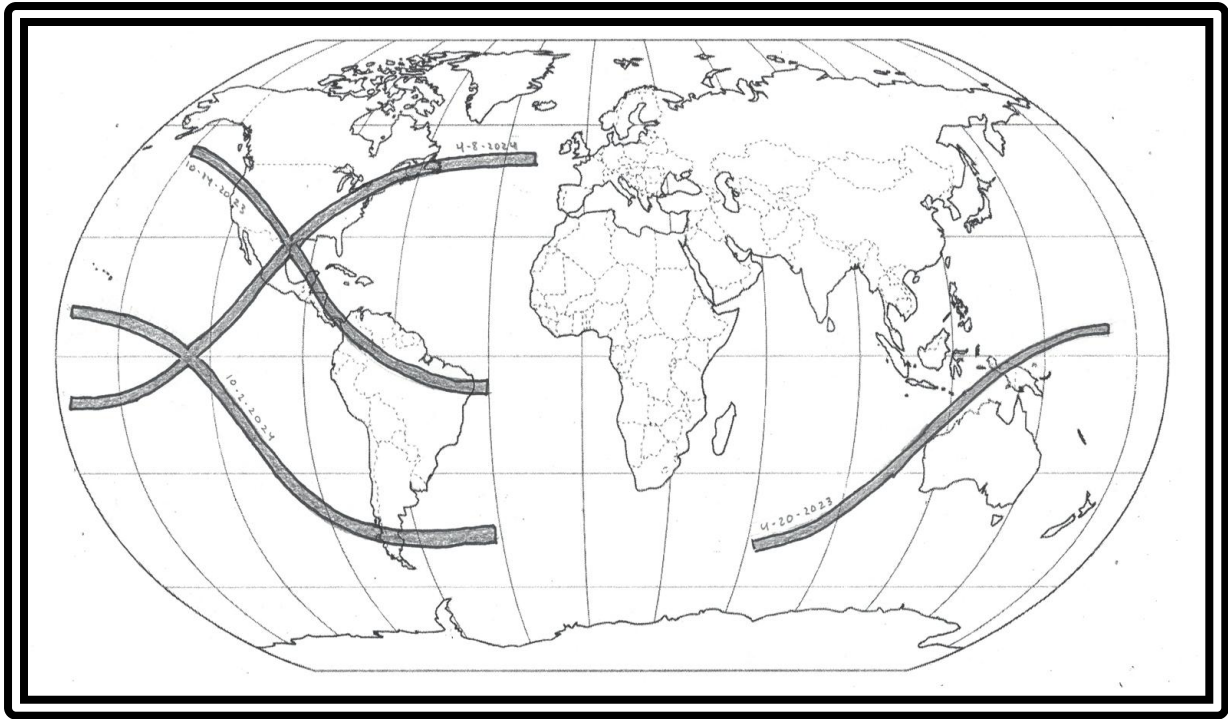
5,000 miles away, this total solar eclipse--same hemisphere, same time. Full eclipse occurred between 9:30 am and 1pm Eastern Standard Time. Very little of the eclipse path crossed land. Still, maximum eclipse did occur on land, in Argentina near the town of Neuquen (a palindrome). If followed north, longitude of Neuquen intersects with eastern Maine. Eclipse crosses Atlantic and stops just west of Namibia, dying in the ocean before it can reach Africa.

The Hepton Cycle in action. A significant Monday Total Solar eclipse perfectly spaced between two other Total Solar Monday eclipses. All of them western hemisphere. All of them with significant relations to the USA. 7 eclipse seasons--1211 days-- in either direction brings you to the USA Eclipse Judgments of 2017 Aug 21 and 2024 Apr 8 (which themselves are exactly 7 eclipse years apart).

2021 Jun 10 Canadian Judgment/ Canada to Siberia Ring of Fire (Saros 147) Eclipse begins at sunrise in southern Ontario, Canada, literally on the border of the US and Canada, near Thunder Bay. It traverses south to north through Canada and Greenland, then ends in extreme Northeast Russia. Occurs in the midst of the beginnings of the Canadian lockdown.

2021 Dec 4 Antarctica (Saros 152) A few hardy souls took the trip to Antarctica to witness the last true total eclipse for two and a half years. This is the fourth complete eclipse for Saros 152. Its first complete eclipse occurred on 1967 Nov 2, in the midst of the Jerusalem Blood Moons.

Partial occur on 4-30-2022 (the 70th anniversary of Hitler's death) and on 10-25-2022, 77th Anniversary of United nations + one day



2023 and 2024

2023 Apr 20 Hitler Birthday Metonic Hybrid (Saros 129)

2023 Oct 14 Great American Ring of Fire (Saros 134)

2024 Oct 2 Pacific to Deseado Massif Ring of Fire (Saros 144)

2024 Apr 8 Great North American Eclipse Total (Saros 139)

Almost no land in the Eastern hemisphere is affected by eclipses.

Only one true total here, the April 8 2024 eclipse. That separates it out dramatically. In fact, it's the only total eclipse on earth between the 2021 Antarctica and the 2026 Spanish Judgment, nearly five years.

The April 8 2024 is also the first total eclipse to cross an inhabited area since 2019 July 2 Buenos Aires eclipse, which would mean it stands out as the only total eclipse over established populations between 2019 and 2026, more than seven years. The April 8 2024 American eclipse goes over more population centers than any eclipse in the history of the western hemisphere. The peculiarity appears accented.

The South Texas Tav is visible in upper left. It is the cross formed by the intersection of the 2023 and 2024 eclipses. Its apex is in the hill country near Utopia, Texas, which is southwest of San Antonio (which also is in the path of both eclipses). Much more detail is found elsewhere in this work.

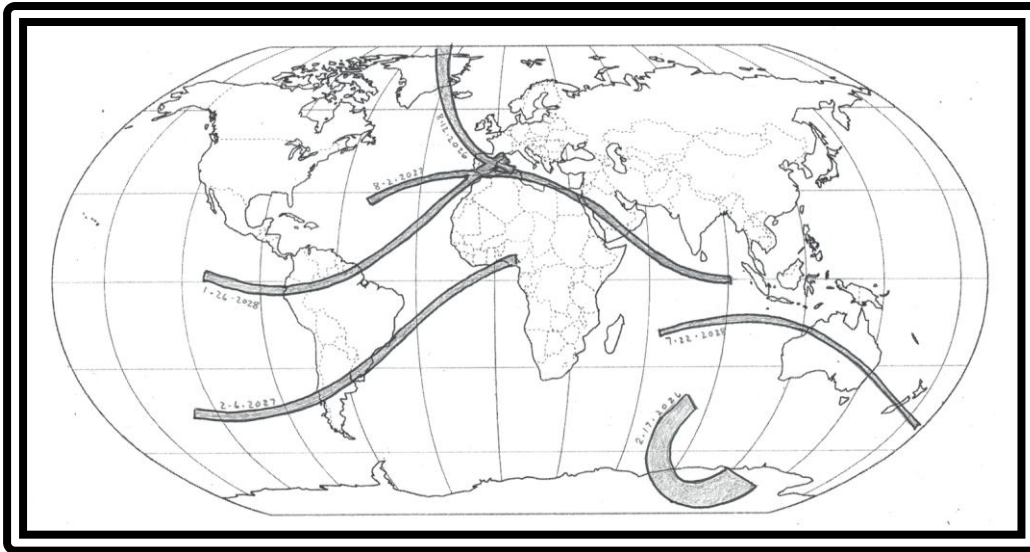
2023 Apr 20 Hitler Birthday Metonic Hybrid (Saros 129) Adolf Hitler's birthday (April 20) and death day (April 30) are on a perpetually linked Metonic, around 10 days apart, they show up in linked eclipses one lunar year apart throughout history at certain points around every 500 years. In this case, a partial solar eclipse occurred 2022 Apr 30, on the 77th anniversary of the death of Adolf Hitler. That partial brought with it a total lunar eclipse visible from the Americas on Nov 8, USA election day. In 2023, after a century of eclipses lingering on the April 19 (Darwin Death Day) eclipse occurs on the exact day of Hitler's birth 134 years before on April 20 1889. The next eclipse after this (Great American Ring of Fire) will be Saros 134 (note the 134's) but that's getting almost silly! Very little land experiences totality. Eclipse begins in Indian Ocean and avoids land, heads north outside Australia . Only a few hundred square miles of the extreme northwestern edge of the Australian land mass experiences true eclipse, and it is an astonishing 100.00% coverage, over the one true town of any size, the town of Exmouth, home to interesting military and scientific infrastructure as well as tourism and kangaroos. Eclipse travels over narrow strip of Timor and Papua before again avoiding nearly all land and dying south of Micronesia. Note 4-20 numeric, which has become inexplicably popularized in USA in recent years.

2023 Oct 14 Great American Ring of Fire (Saros 134) Looked at in much closer detail in the USA section. Bisecting the western US, totality entering Oregon, crossing the Four Corners and exiting the nation at Corpus Christi ("Body of Christ") Texas. Crossing the Yucatan and much of Central America. Exiting Brazil at the city of Natal, translated "Nativity" in Portuguese. Exactly 555.5 eclipse years after Mayan Apocalypse Eclipse of August 8, 1496. Occurs on exact 531st anniversary (10-14-1492) of first colonial crime in western hemisphere, the abduction and enslavement of 7 native youths by Columbus on Island he named San Salvador ("Holy Savior") with 48% coverage.

2024 Apr 8 Great North American Eclipse Total (Saros 139) Looked at much closer in USA Eclipse section. Certainly, the most significant eclipse, population-wise, in the history of the United States. Hepton Cycle. Monday Eclipse. Total Solar Eclipse. Judgment Eclipse. First true total eclipse to cross Mexico, USA and Canada overland since any of those nation's founding. Finishes both Tavs and the Aleph over the USA (2nd Tav pictured above). 8 days after Easter, 2422 days from USA eclipse of 2017, 1211 days after Election Eclipse of 2020, 177 days after Ring of Fire eclipse of 2023 Oct 14. Path of totality enters at Mazatlán, Mexico; it crosses Mexico, the USA (dozens of cities and towns) and Eastern Canada-- exits near St. Johns in province of Newfoundland and Labrador

2024 Oct 2 Pacific to Deseado Massif Ring of Fire (Saros 144) Like the 2023 Eclipse, almost no land except a small strip of extreme South America, including the Deseado Massif, supposedly some of the oldest rock on earth. Only town of size in path of Annularity appears to be Puerto San Julian on the eastern flank of Argentina.

Partials occur on 3-29-2025, 9-21-2025.



2026 to 2028 Spanish Judgment/ Botany Bay

2026 Feb 17 Antarctica Ring of Fire (Saros 121)

2026 Aug 12 Spain/Reykjavik Total (Saros 126)

2027 Feb 6 500th Anniversary Slave Trade Judgment/Rio de Janeiro to Africa (Saros 131)

2027 Aug 2 Great Valley of the Kings Total/ Spain (Saros 136)

2028 Jan 26 Spanish Third Eclipse in 18 months on "Australia Day" Ring of Fire (Saros 141)

2028 Jul 22 Australia- Botany Bay and Sydney/New Zealand (Saros 146)

Five of the six eclipses in this time frame are quite extraordinary and they occur in a row 177 days apart. Coming off two partials in 2025 and a nondescript Antarctica Ring of Fire in early 2026, the next five eclipses hit like a ton of bricks of meaning. They create a very unusual balanced triad with Spain in the crosshairs. Also, Australia begins its 15-year eclipse swarm in earnest, and an interesting Rio Slave Trade eclipse. Beautiful symmetric swirl is formed by the three colliding Spanish eclipses.

2026 Feb 17 Antarctica Ring of Fire (Saros 121) The second to last complete eclipse for Saros 121. Its last is scheduled for 2-28-2044. It began life in 944. First complete eclipse in 1070.

2026 Aug 12 Spain/Reykjavik Total (Saros 126) First total eclipse in Spain for last 112 years. They last had a total eclipse in 1905. Spain's first of 3 complete eclipses in 18 months, two of them totals. 500 years after Spain began the African Slave Trade to the New World (1526). Eclipse occurs 128 years to the day of the peace treaty that ended the Spanish-American War on Aug 12 1898, basically ending the 600 year old Spanish Empire. The extraordinary path of this eclipse avoids almost all human populations, curling around the British Isles—91% coverage in London, 92% in Paris. The only other nation to experience totality besides Spain is Iceland. Amazingly that occurs only on the bare sliver of western coast that includes its capital of Reykjavik (whose metro area contains 60% of Iceland's population). Eclipse manages to enter

Iberian Peninsula at just the right angle, without crossing the border of neighbors Britain, Portugal or France. For instance, the village of St. Jean de Luz in southern France has 99.7% coverage but no place in France has true totality. In Portugal, the village of Labiadados in the extreme north experiences 99.99% coverage. Lisbon, Portugal has 95%. Spain is another story. The eclipse bisects the northern half of the nation, bringing totality to a third of its land mass. Totality in parts of metropolitan Madrid. Toledo has 99.4% Eclipse. Enters Spain at La Coruna ("crown"). Ends in the Mediterranean just past Balearic Islands.

2027 Feb 6 500th Anniversary Slave Trade /Rio de Janeiro to Africa Ring of Fire (Saros 131)

Just after Spain appears in the crosshairs, the 500 year old transatlantic slave trade is highlighted by this Ring of Fire. 500th Anniversary year of the importation of African slaves to South America by Portuguese slave traders, the eclipse path traces backwards the maritime routes followed by slave traders from South America to the northern "Slave Coast of Africa"-- Benin, Ghana and Nigeria--ending totality over notorious port of Porto-Novo in Benin, one of the centers of the Slave Trade. Totality just offshore of Rio De Janeiro, Brazil - the largest slave port in the history of the world.

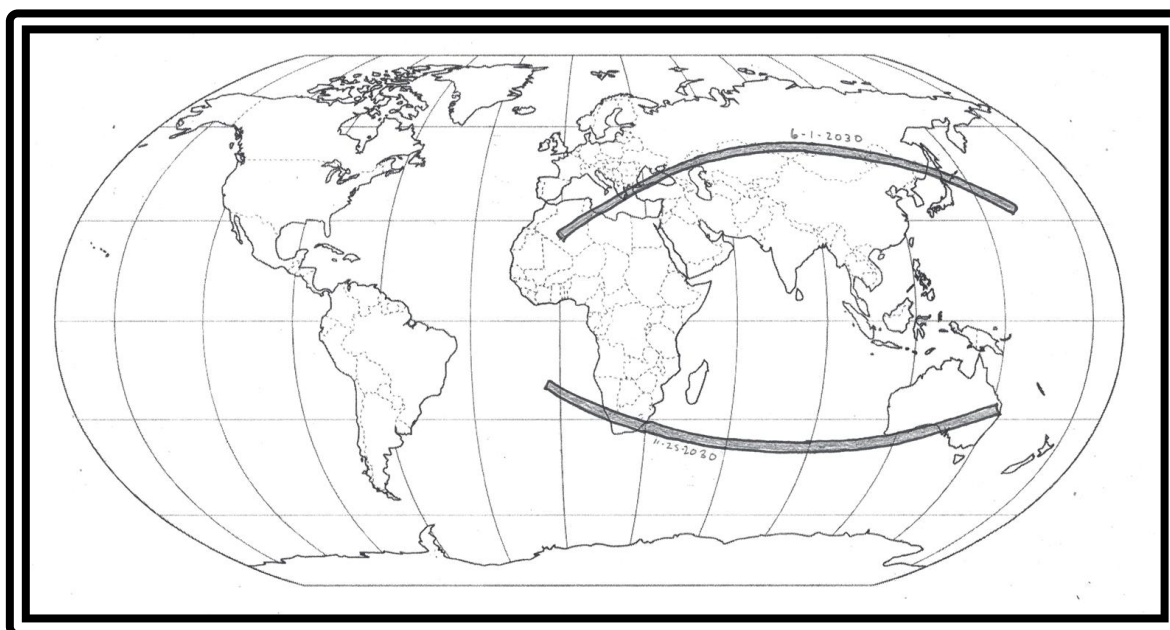
2027 Aug 2 Valley of the Kings Egypt/ Spain/Mecca Total (Saros 136) Looked at closer in Middle East section. The great Saros 136 comes to the most famous Necropolis on earth. Hepton Cycle Monday Eclipse. Judgment Eclipse. Exactly one lunar year after Spanish Judgment of Aug 12 2026. 1211 days after USA Little Egypt Tav. Passing directly over the straits of Gibraltar, hugging the north Coast of Africa (totality in Tripoli) before diving south through Egypt over the Nile and the Valley of the Kings with Maximum Eclipse in Luxor (ancient Thebes), the metropolis of the sun gods and necropolis of the Pharaohs. Next into Saudi Arabia-including totality in the holy city of Mecca. Exiting into Gulf of Oman through Yemen, passing over the most eastern part of Africa, the Horn of Somalia, where scientists claim humanity originated.

2028 Jan 26 Spain's Third Eclipse in 18 Months on "Australia Day" Ring of Fire (Saros 141)

They just keep coming! Spain's 3rd eclipse in 18 months. Across the breadth of the Amazon of South America, including Brazil. Crossing the Atlantic, entering Portugal at historic port of Sagres ("holy"). Eclipse just south of Lisbon, one of the oldest cities in the world. Like 2026, Ending just beyond border of Spain, stopping dead at border of France. Occurs on Australia Day, or 240 years after first convicts arrived in Botany Bay, Australia (Jan 26 1778). Australia hosts the next eclipse 177 days later.

2028 Jul 22 Australia/ Botany Bay and Sydney-New Zealand Total (Saros 146) 177 days after "Australia Day" Eclipse and one lunar year from Mideast Eclipse of 2027 Aug 2. 19 solar years to the day after 2009 July 22 Wuhan Total eclipse. Australia is bisected with centerline of totality directly over Sydney and Botany Bay, where the first prisoners were brought to colonize the continent 240 years earlier on the date of the last eclipse on earth 1-22, in 1788. Also crosses southern island of New Zealand, exiting over city of Dunedin, one of the oldest European settlements in New Zealand.

Partial occur on 1-14-2029, 5-12-2029, 7-11-2029, and 12-5-2029.



2030 Eclipses-Both Occur in Eastern Hemisphere

2030 June 1 Athens/ Istanbul Ring of Fire—Africa to Japan (Saros 128)

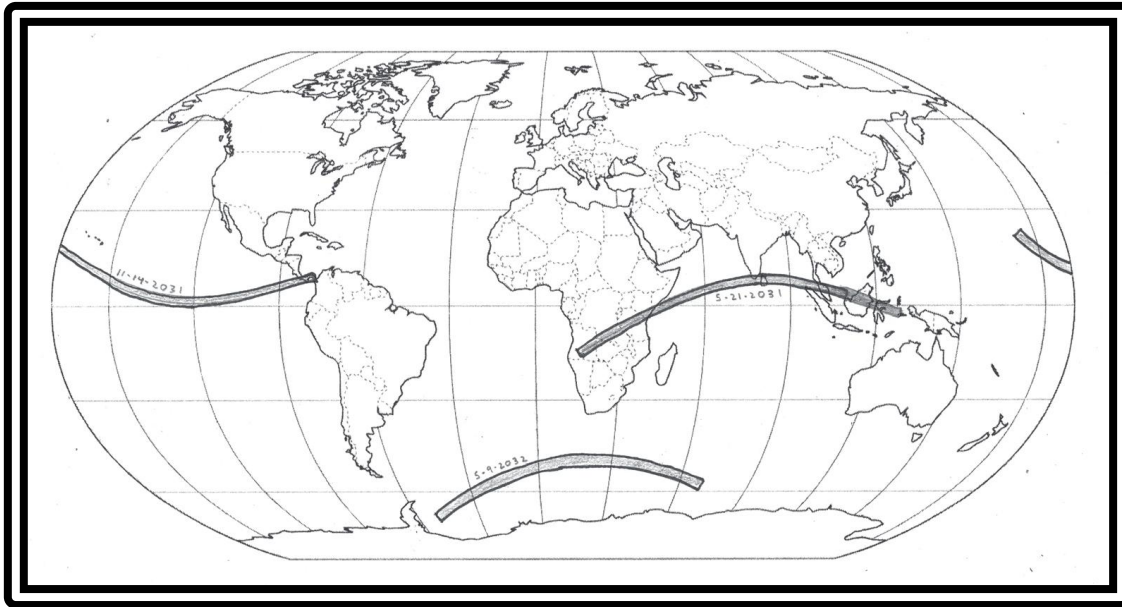
2030 Nov 25 British Empire-South Africa to Australia Total (Saros 133)

The 2030 eclipses have unusual symmetry. The two eclipses begin and end very near to each other on similar longitudinal lines.

2030 June 1 Athens/ Istanbul Ring of Fire—Africa to Japan (Saros 128) An extraordinary path beginning at sunrise near Gara Samani, Algeria (which has a dinosaur named after it). Eclipse crosses Libya (again!), the Mediterranean, Turkey, war-torn regions of Crimea and Southern Ukraine (annularity in Mariupol), follows the entire southern border of Russia and exits after crossing Japan. Great cities along the path include Tripoli (second complete eclipse in 3 years), Athens, Istanbul, (Constantinople). Sevastopol and Volgograd in Russia and Sapporo, Japan. 71% in Moscow, 75% in Kyiv, 63% in Jerusalem. 32% in Wuhan.

2030 Nov 25 British Empire-South Africa to Australia (Saros 133) Hepton Cycle Monday Eclipse. 1211 days from 8-2-2027 Mideast Eclipse. 2422 days from USA 4-8-2024 eclipse. Creating an extraordinary cup of Empire (see all land masses to north of eclipse) Almost all open ocean except crossing entirety of South Africa (totality in Durban) and southern Australia. Enters first at tiny town of Mount Mary. Reaching almost perfectly to the Gold Coast just north of Brisbane.

Occurs on what would have been JFK Jr's 70th Birthday.



2031 and 2032 Last complete eclipses before 2033

2031 May 21 Dar Es Salaam Ring of Fire. Africa to Indonesia/Malaysia (Saros 138)

2031 Nov 14 Hybrid/ Pan-American Isthmus Totality (Saros 143)

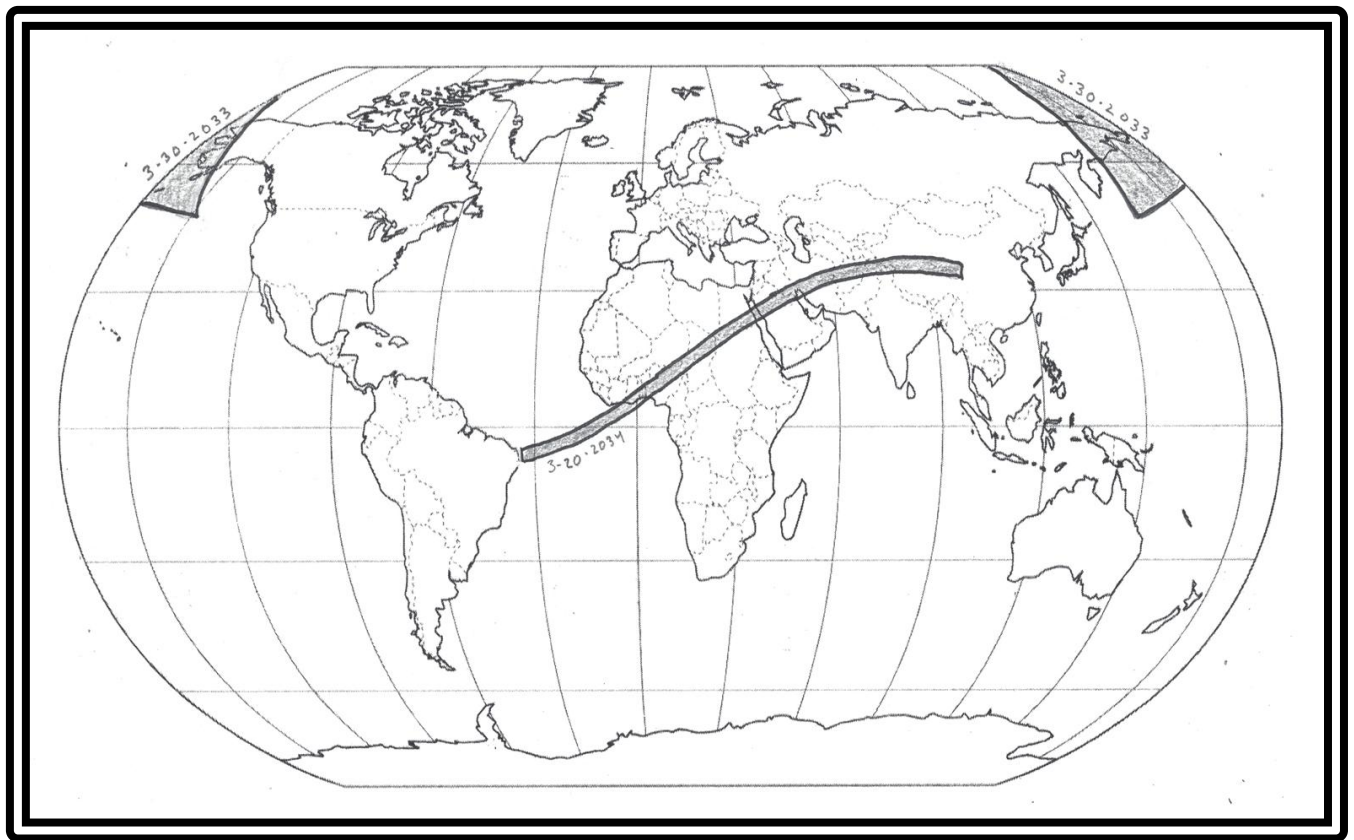
2032 May 9 Antarctica (Saros 148)

2031 May 21 Dar Es Salaam Ring of Fire. Africa to Islands (Saros 138) Ring of Fire--Africa to Indonesia...across the middle of Africa, beginning in Angola, exiting with annularity at Dar Es Salaam (place of peace) in Tanzania (3rd time in 60 years). Crosses Indian Ocean and grazes southern peninsula of India, grazing the Temple of the Sun in Thiruvananthapuram for the third time in 21 years. Crosses Sri Lanka, once again to trace the tsunami path backwards towards Indonesia. Annularity in Ernakulum (which means "the abode of Lord Shiva") and Jaffna, Sri Lanka. Goes just north of Kuala Lumpur over border of Thailand and Malaysia before ending in Indonesia.

2031 Nov 14 Isthmus Totality (Saros 143) Open ocean eclipse (without touching a single island) ending with totality at sunset just a few miles before the Atlantic Ocean directly over the absurdly small patch of land that constitutes the most extraordinary land bridge on planet earth, the Panama Isthmus, The northern and southern hemispheres are connected in the last total eclipse before the eastern and western hemispheres will be connected in the Great 3-30-2033 Total Eclipse.

2032 May 9 Antarctica Ocean Ring of Fire (Saros 148) Is there any significance to this little eclipse that touches no land in the middle of nowhere? Or is it a cosmic re-alignment to provide the necessary positioning set-ups for the ones that do bear meaning? The 530th anniversary of Columbus setting sail on his fourth and last voyage in search of a passage to Asia (May 9th 1502). This is the last eclipse before the Great Bering Strait eclipse of 2033.

partial occurs on 11-3-2032



2033 and 2034- The Last Eclipses of Spring Equinox Metonic

2033 March 30 Bering Strait 2,000 Anniversary of Christ Entry to Jerusalem (Saros 120)

2034 March 20 Spring Equinox Great Civilizations Egypt Cross (Saros 130)

These two incredible eclipses are considered together for a number of reasons. Firstly, they stand independent of the eclipses around them. The March 30th eclipse is the first complete eclipse in 325 days, since May of 2032. It is the only complete solar eclipse in 2033- just as the 2015 North Pole eclipse was the only complete solar eclipse in 2015. Both belonged to Saros 120, which performs its last complete eclipse right here after centuries of stunning work. It is the first total eclipse since 2030 Nov 25.

The 2034 eclipse is the next solar eclipse of any kind on earth and occurs on the Equinox. These two eclipses are exactly one lunar year apart and occur around the 2,000th anniversary of the traditional dating of the Crucifixion and Resurrection of Jesus Christ, Apr 3 33 AD. As you will see, the details of the March 30th eclipse are extraordinary.

Just as interesting is the aesthetic balance of the two eclipses when placed on a map. The Bering Strait eclipse necessarily must occupy both corners of the map at once, while the Great Civilizations Equinox eclipse is plainly positioned almost perfectly in the center of the world.

Mar 30 2033 Bering Strait 2,000 Anniversary of Christ Total (Saros 120)

4 days before the traditional 2,000th Anniversary of the death of Jesus Christ on April 3 33 AD, a total solar eclipse perfectly crosses the Bering Strait, giving totality to both eastern and western hemispheres at the same time. This is the only place this could possibly happen, with both Russia and the USA having a total eclipse simultaneously. No other nation will experience totality.

Not only does eclipse cover two hemispheres simultaneously, it also straddles the international date line, so it simultaneously occurs on two days at once! The eclipse happens on 3-30 in the USA and 3-31 in Russia. Totality in Russian town of Provideniya ("Providence") and American town of Nome.

Definitely a Numeric oddity in the date of 3-30-2033. It is a completely balanced palindrome number, perhaps the only one in the entire survey. Abbreviation 3-30-33 is also balanced.

This eclipse is peculiar in its separation too. It is 18 months removed from the last total eclipse on earth (11-14-2031) which crossed perfectly the northern and southern hemispheres at the Panama Isthmus. It is one lunar year away from the next complete eclipse, the 2034 Spring Equinox Eclipse.

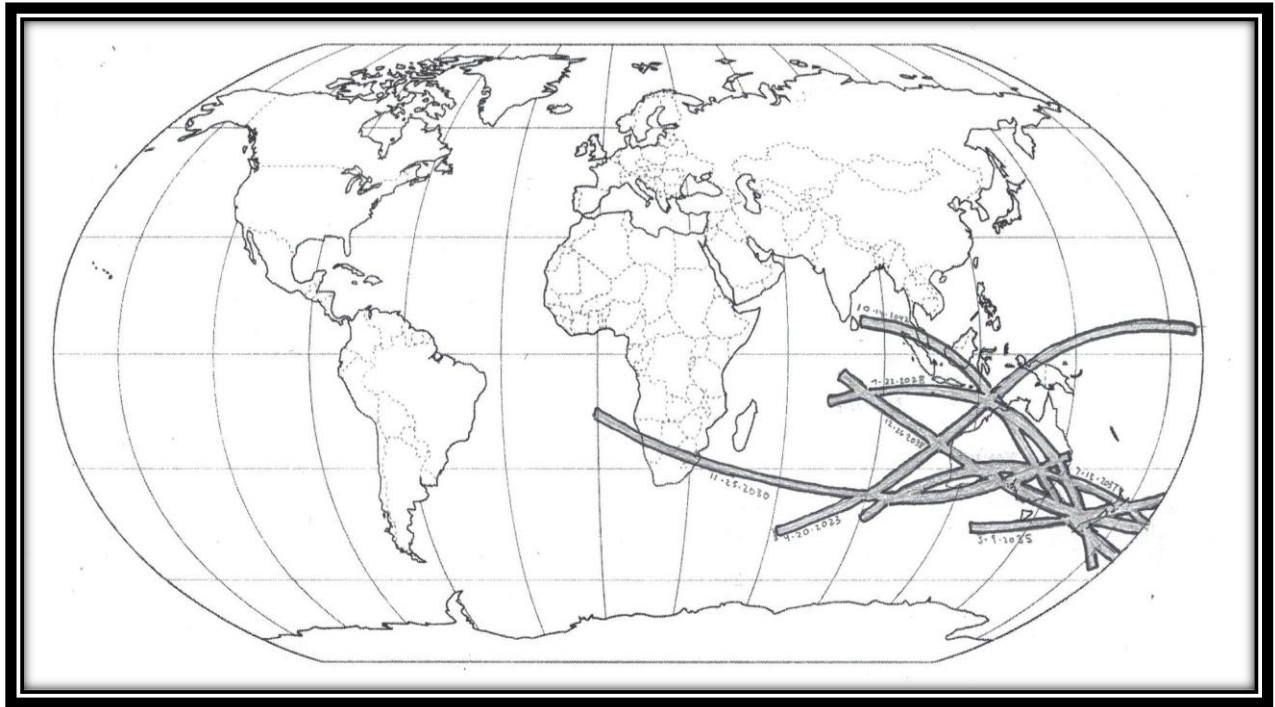
The only other solar eclipse in 2033 is a partial on 9-23

Mar 20 2034 Spring Equinox Great Civilizations Egypt Cross Total (Saros 130) Discussed in much greater detail elsewhere. The Spring Equinox Eclipse travels from the coast of South America across Africa to Egypt, scraping northern Medina (the last hometown of Mohammad) as it crosses Arabia, onward through Iran, Afghanistan, Pakistan (totality in Islamabad), India, Tibet and ending in China.

Jerusalem will see 74% coverage of the sun. Occurs of course on the Spring Equinox, only the ninth Spring Equinox eclipse in the last 2500 years. 19 years after North Pole Spring Equinox eclipse.

It is New Year's Day for Persian, Muslim, Zoroastrian and Bahai Calendars and New Year's Eve for India. It defines the coming of first month of Nisan for Jewish calendar, which begins the next day.

**Interesting Image: Here is the Australia/ New Zealand Eclipse Swarm 2023 to 2042
Composed of seven Complete Solar Eclipses in 19 years**



Lunar Eclipses



This work is not about lunar eclipses, but we should talk about them a bit. A lunar eclipse is a very different phenomenon than a solar eclipse, except for the fact that they both occur during eclipse seasons as the spheres begin to align on the perspective node. They often accompany each other on the eclipse nodes about 14 or 15 days apart.

Solar Eclipses must happen on the new moon. Lunar eclipses must happen on the full moon.

Since there is a certain plane, a node, where the earth, sun and moon align to lesser or greater degrees twice a year, when there is a solar eclipse, there will be a lunar eclipse. Lunar eclipses can be Total, Partial or Penumbral. A Penumbral Lunar Eclipse involves the lighter fringe shadow

of earth. It is quite faint and can often happen without being noticeable.

In a lunar eclipse, the moon enters the shadow of the earth. Eclipses tend to last several hours, with maximum eclipse up to an hour and a half possible totality. Compare that to about 7 minutes maximum totality for a solar eclipse. That's because the solar eclipse is such a different phenomenon. In a solar eclipse, the moon must go in front of the sun, perfectly blocking it out. In the lunar eclipse, the moon enters the shadow of the earth.

In other words, complete solar eclipses involve a pinpoint shadow being cast upon the earth. Lunar eclipses involve viewing the moon entering the earth's rather large shadow which is being cast into space.

People have a much greater chance of witnessing a lunar eclipse during their lives than a solar eclipse. Lunar eclipses can easily cover half the world, and often more than that. Any place on earth will have a total lunar eclipse a few times per decade. Still, some folks don't see many of them due to the fact that they often happen when we're sleeping! Also, clouds can obscure a lunar eclipse. Many people don't know when lunar eclipses are happening or care about them when they do.

A single year with two total lunar eclipses happens about an average of every three years. Very occasionally, like 1982, you can have 3 total lunar eclipses in a single year.

Most lunar eclipses are not total. In fact, more than 60% are partial or penumbral. Penumbral lunar eclipses can often happen without being noticed. The impressiveness of a partial depends on the eclipse.

A few words about Blood Moon Tetrads (2014 and 2015/ 2033 and 2034):

Astronomers use the name Tetrad when there are four consecutive eclipse seasons which each contain a total lunar eclipse. That usually means two years in a row each with two Total lunar eclipses. That is four totals in a row, separated typically by around 177-day intervals.

Tetrads live in cycles of around 600 years. For about 300 years, there are no tetrads. This is followed by a period of roughly 300 years where a tetrad occurs roughly every 15 to 20 years.

Currently, we are about halfway through the second half of a 300-year cycle.

There have been 7 Total Lunar Tetrads since 1900, and an 8th on the way. Here they are:

1909 to 1910.

1927 to 1928.

1949 to 1950.

1967 to 1968.

1985 to 1986.

2003 to 2004.

2014 to 2015.

2032 to 2033.

Far more unusual is when Tetrads land on Jewish High Holy Days. A Tetrad of four Total Lunar Eclipses landed on the high holy days of Judaism in both 2014 and 2015. That is, there was a total lunar eclipse each of those years on both Passover in the Spring; and Sukkot, the first day of the Feast of Tabernacles, in the Fall. These bookend a total solar eclipse on the Spring Equinox March 20 2015.

Here are the dates of the famous Blood Moon Tetrads:

April 14/15 2014—Passover Total Lunar Eclipse-October 8 2015—Sukkot Total Lunar Eclipse
March 20 2015 –Spring Equinox North Pole Eclipse (Saros 120)

April 4 2015—Passover Total Lunar Eclipse-September 28 2015—Sukkot Total Lunar Eclipse

These eclipses created quite a bit of excitement and some doomsday prophecy, due to the unusual alignment with the Jewish calendar. Little attention was paid to the Spring Equinox Eclipse itself, and virtually none was paid to the incredible 19-year Solar Eclipse Metonic that it signaled (and which is the focus of this work).

The Blood Moon Tetrad of 2014

2014 Apr 14/15 Passover Total Lunar Eclipse. The first eclipse, on the Jewish Passover, occurred April 14th and 15th 2014. It was visible primarily in the western hemisphere. Abraham Lincoln was shot at 10 pm the evening of the 14th of April 1865 on Good Friday/Passover and pronounced dead the morning of the 15th exactly 149 years before this eclipse. See personalities section for more. April 14th and 15th are also the 102nd anniversary of the sinking of Titanic, which struck an iceberg on the night of April 14 1912 and sank a few hours later in the early morning of April 15th.

October 8 2014 Sukkot The second lunar eclipse occurred on the first day of the Feast of Tabernacles. Visible through Americas and Asia.

March 20 2015 –Spring Equinox North Pole Eclipse (Saros 120) This extraordinary solar eclipse was looked at earlier in this section. It is an isolated eclipse, with no other complete solar eclipses in 2015.

April 4 2015 Passover Lunar Eclipse Visible throughout Americas and Asia. 47 years to the day after Martin Luther King (Apr 4 1968) was murdered in Memphis, Tennessee. King was killed 8 days before a Passover Total Lunar Eclipse *only* visible from the Americas April 12th and 13th, 1968. April 4th 33 AD is the traditional day for Jesus resting in the tomb on the Sabbath 1982 years before, on the day after he was crucified (by traditional dating) on April 3rd, 33 AD.

September 27/28, 2015 Lunar Eclipse Sukkot Visible in Europe, Mideast and Americas (including Jerusalem)

Interestingly, the 1949/1950 and 1967/1968 Tetrads also landed on Jewish high holy days. It is

hard to overstate how rare this phenomenon is. Apparently, it happens on average only once every 500 years, and it has now happened 3 times in 75 years. Another High Holy Day Tetrad occurs in 2033 to 2034.

Notably, the High Holy Day Passover eclipse of 1949 Apr 13 occurred within the year that Israel declared independence, on 1948 May 14 and 98 days before the war was concluded on July 20 1949.

The 1967 April 24 Passover Eclipse occurred 40 days before the Six-Day War when Israel gained control of Jerusalem on June 7 1967.

A High Holy Day Tetrad also occurred in 1493/1494, beginning the next year after the expulsion of the Jews from Spain in 1492 and the "discovery" of America.

Two Total lunar eclipses occur in 1968, also on Passover (April 13, eight days after King murder) and Sukkot, October 6th.

The Jewish Temple in Jerusalem was fully destroyed by the Romans on August 10th, 70 AD after a several month siege. *Exactly* 2000 eclipse years from that date was August 21st 1968. 1968 was an exceptionally important year in the history of the world, for many reasons, not the least of which were the assassinations of both Martin Luther King and Robert Kennedy.

In the current 19-year period which contains the anniversary of the Crucifixion/Resurrection, a Tetrad of Total Lunar eclipses reappears in 2032 and 2033 and then in 2033 and 2034, there are also four lunar eclipses (though not all total) on the High Holy Days. 19 years after they did the same on the same days in 2014 and 2015. These upcoming lunar eclipses on holy days are:

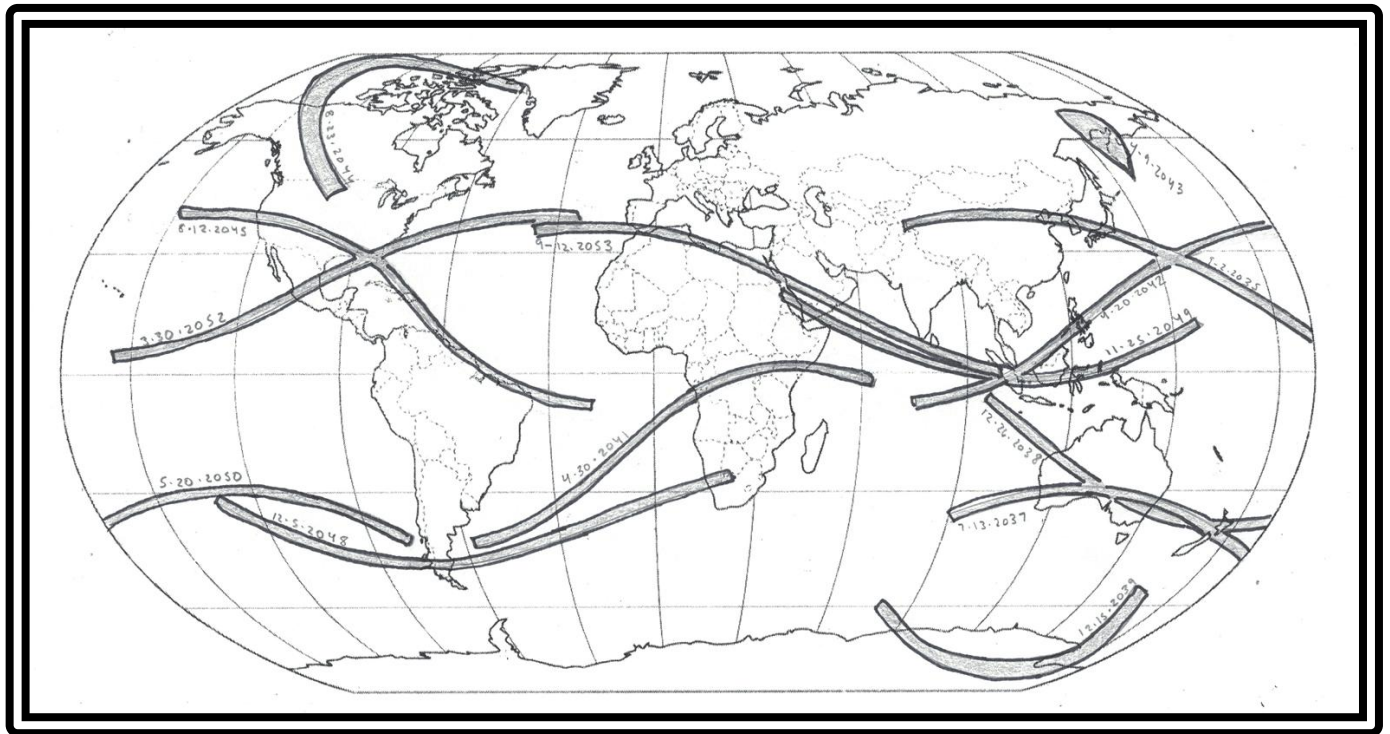
April 14/15 2033 Passover Total Lunar
October 8, 2033 Sukkot Total Lunar
April 3 2034 Passover Penumbral Lunar
September 28 2034 Sukkot Partial Lunar

This is essentially a Blood Moon Tetrad except two of the eclipses are not "Total".

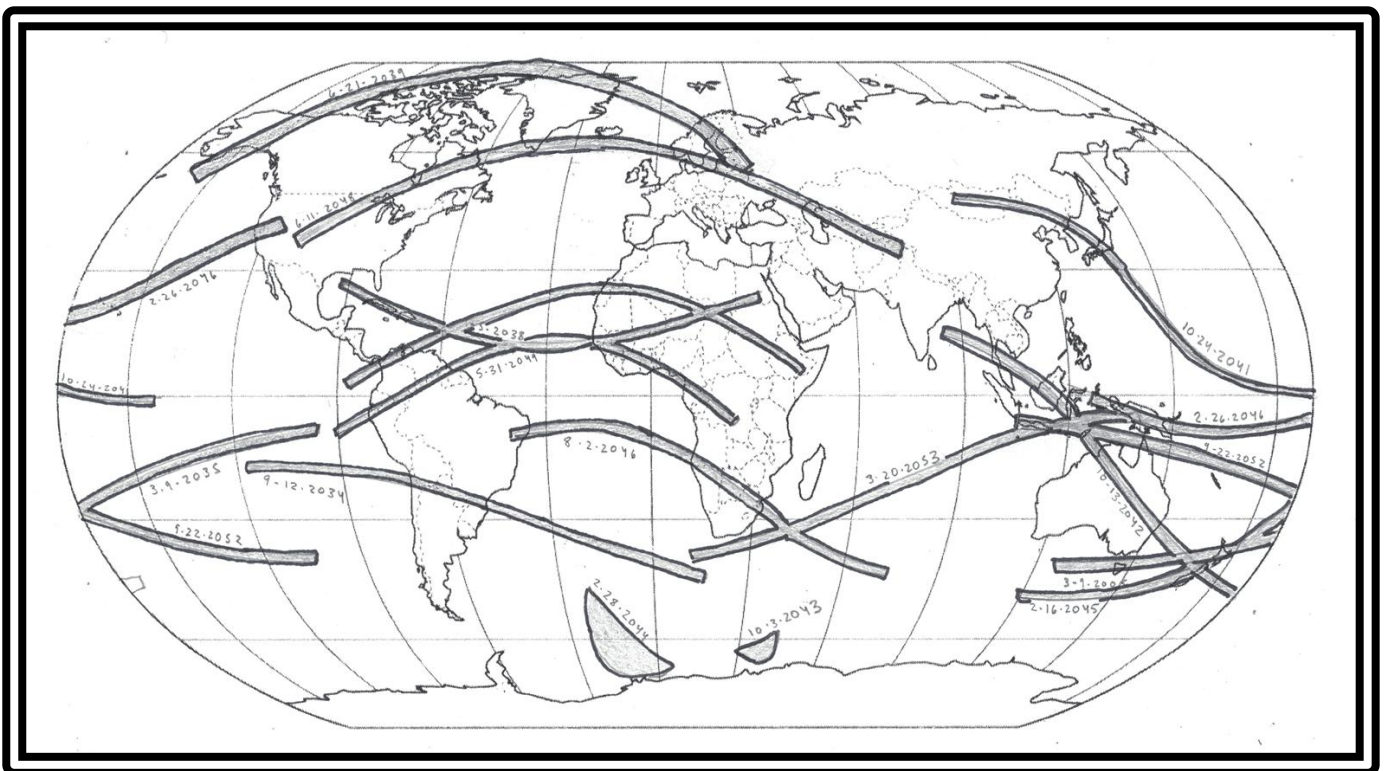
The Passover eclipse of April 14 2033 would be 2,000 years and 11 days after the Crucifixion if the Lord died on April 3, 33 AD (the traditional date). It would also be exactly 168 years after the murder of Abraham Lincoln and 121 years since Titanic sank. The Passover lunar eclipse of April 3/4 2034 is on both the exact 2001st traditional anniversary of the Crucifixion and simultaneously 66 years after the murder of Martin Luther King.

The Tetrads of 2033 and 2034 sandwich a Spring Equinox Total Solar Eclipse, just as Tetrads sandwiched the Spring Equinox Eclipse of March 20 2015.

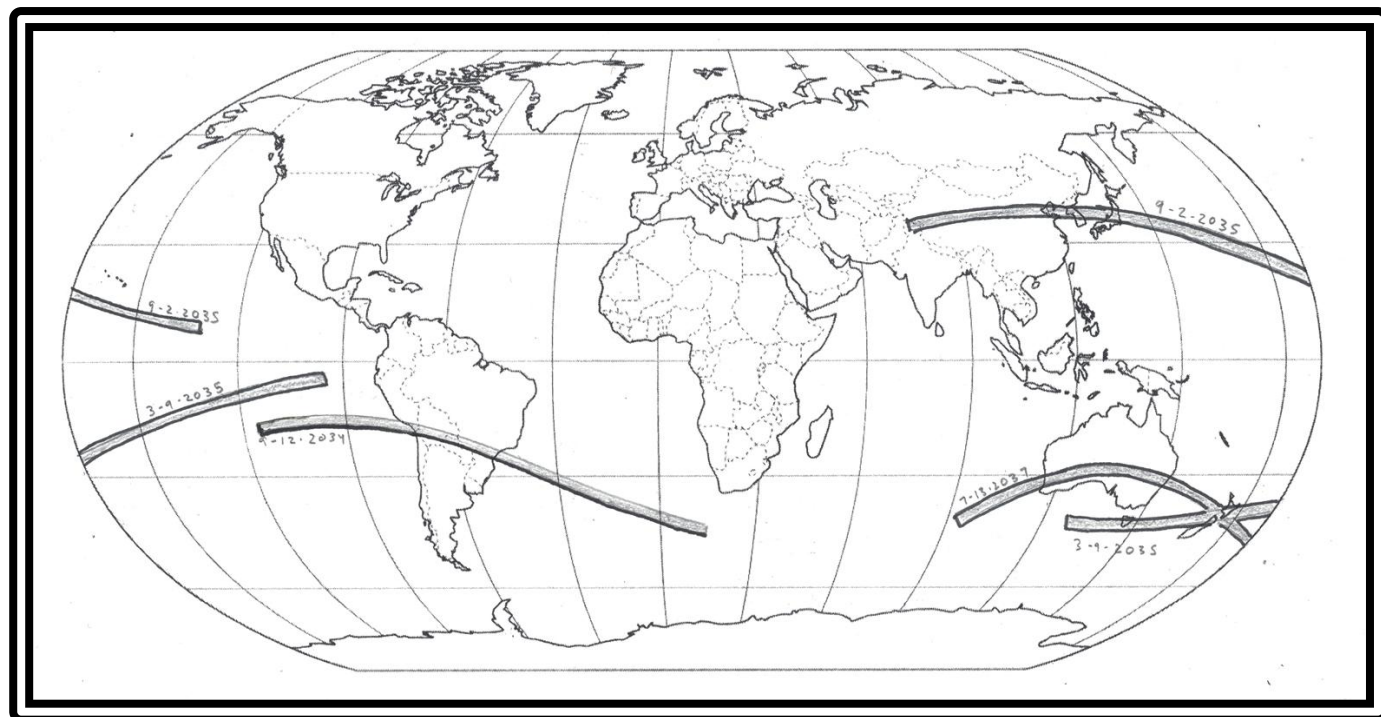
2034 to 2053



Above: 2034 to 2053 Total Eclipses of the Sun



Above: 2034 to 2053 Ring of Fire Eclipses



Individual Eclipses late 2034 to 2037

Solar Eclipses Sep 12 2034 to 2037

2034 Sep 12 Ring of Fire South America (Saros 135) After the Spring Equinox New Year Total Eclipse, we have an Egyptian New Year's (day after 9-11) in South America.

2035 Mar 9 Ring of Fire New Zealand/Wellington (Saros 140) Only city in path is Wellington, very small amount of land touched. Part of The Australia Swarm.

2035 Sep 2 Total China/Korea/Japan (Saros 145) A profound eclipse. Beijing, the capital of China, gets its first total eclipse since 1277. Totality in Pyongyang, North Korea and northern metropolitan Tokyo. After this eclipse, there will not be another complete solar eclipse on earth until July 2037. The great Saros 145 continues its run of imperially significant eclipses.

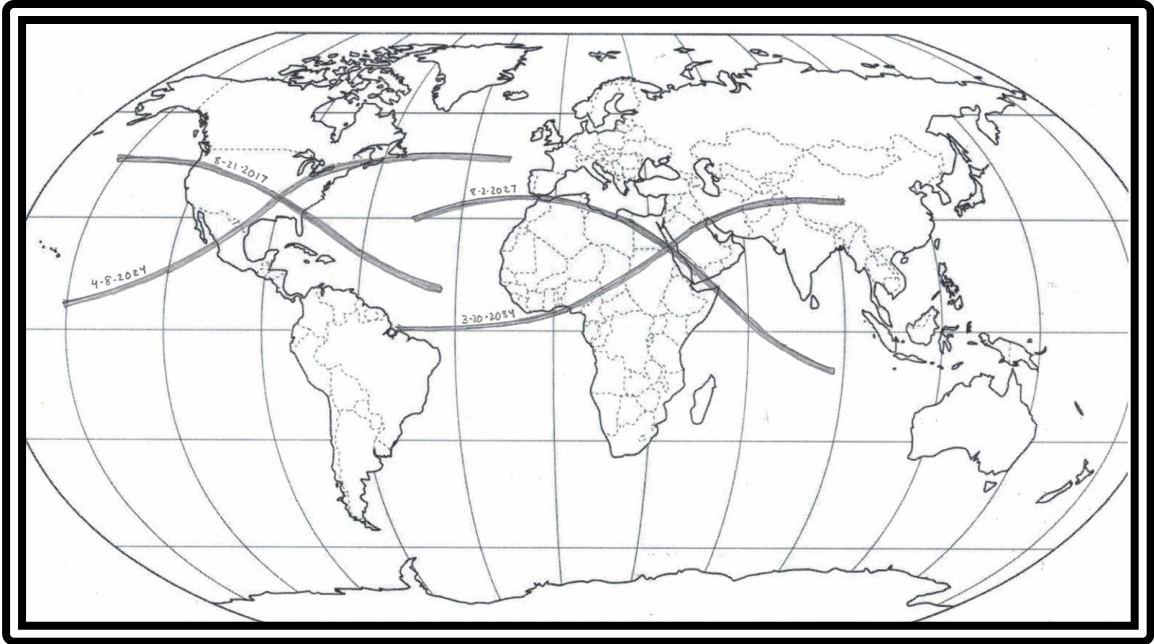
2037 Jul 13 Total Last Monday Hepton Australia/ New Zealand (Saros 127) Saros 127's third to last complete eclipse. Total Solar Eclipse. Hepton Cycle Monday Eclipse. 2422 days from Nov 25 2030 British Empire Eclipse. 856 days from last Australia/New Zealand Ring of Fire in Hepton Two. The last of the seven Hepton Mondays which began with the August 21 2017 USA judgment. Australia nearly perfectly bisected geographically. Totality in Gold Coast and North Island of New Zealand.

3443 years from July 14 1406 BC Holy Land Eclipse as Israelites entered Canaan (one day difference is due to International dateline).

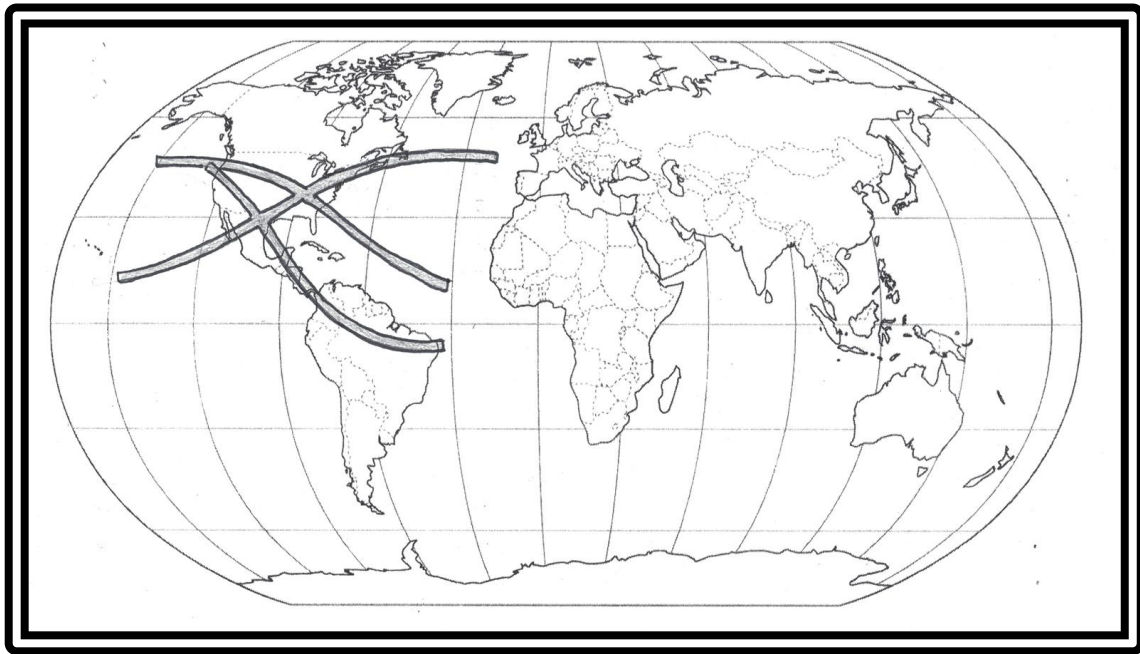
partials occur on 2-27-2036, 7-23-2036, 8-21-2036, and 1-16-2037

Chapter Six:

The Great Crossing Eclipses 2017 to 2034 Up Close



Above, The Egypt/Little Egypt Hepton Crosses of the Spring Equinox Metonic (2017 to 2034)



Above, the American Aleph of 2017, 2023 and 2024



Great American Eclipse 2017 Aug 21

Hailed as the “Great American Eclipse”, the eclipse of 2017 Aug 21 was by far the most watched solar eclipse in American history. There was a great run-up in publicity to the eclipse, and many towns along its path held watch parties and celebrations. It has been said that the movement of people towards the narrow path of totality was the greatest single short-term migration in the nation's history, with millions positioning themselves for the sight of a lifetime, as daylight turned to darkness with the passing of the moon in front of the face of the sun.

We can use this eclipse as a test case for the idea of “reading” an eclipse like a song or a poem maybe. Three Main Aspects; The Time (History), The Space (Geography) and The Main Characters.

Astronomical facts about the Aug 21 2017 eclipse:

- Type of eclipse: Total
- Saros Number 145
- Duration of totality along center line of maximum eclipse: 2 minutes and 40 seconds
- length of path: perhaps 8000 miles long or so
- width of path, almost exactly 70 miles wide
- Locating: At eclipse, the Sun was in the paws of the lion of the constellation Leo. The star Regulus (the “King Star”) was in conjunction with and clearly visible near the eclipsed Sun.
- Maximum Eclipse: Giant City State Park, near Carbondale, Illinois.

Geographical Peculiarities of the August 21 2017 Total Eclipse:

USA Divided: The USA was closely divided geographically by the eclipse. Approximately 2 million square miles of USA were to the north of centerline (including Alaska) and around 1.8 million square miles below. It was also closely divided well along the contiguous 48 states. 23 states had center line of totality either pass through them or were north of the line of totality. 25 states had the center line of totality either pass through them or were south of the line of totality.

Odd Spot of Maximum: Maximum Eclipse of the entire 9000-mile path occurred near Makanda, Illinois. Remarkably, Makanda (known as the “Star of Egypt”) is also at the apex of the cross, the intersection of the two eclipses of 2017 and 2024.

Cross in the Cross: In the heart of both eclipses, 10 miles from Makanda, is the Bald Knob Cross of Peace, a 111 foot cross that was once the tallest cross in the western hemisphere.

Relation to 1918 Hepton: First cross-country USA eclipse in 99 years, since June 8 1918. That eclipse had a similar path but slightly convex to this. It featured totality at Mount Saint Helens. The 1918 eclipse was also a Hepton eclipse with a corresponding US eclipse exactly 2422 days later, on Jan 24 1925. Those paths did not touch.

Rare Cross-Country: It was one of only three Pacific to Atlantic USA total solar eclipses since the nation's founding (2017, 1918 and 1806)

Only in the USA: The eclipse touched no other national boundaries besides the USA. The last solar eclipse to have that geographic distinction occurred in 1257 AD (519 years before nation's founding) and it will not happen again until 2316 (199 years after the 2017 eclipse).

Touched most states ever: The eclipse touched 14 states, the most ever up to that time for an American Total eclipse. The April 8 2024 American Eclipse exceeds it, touching 15.

Near the center of the USA: The line of totality went within 50 miles of the geographic center of the contiguous USA (Lebanon, Kansas at 98.4% totality) and within a hundred

miles of the population center of the US (Hartville, Missouri at 97.5% totality)

Nice Weather: The weather was exceptionally fair for most of the nation, making for good viewing.

Extended Peculiarities of the August 21 2017 Eclipse

First in 38 years: The 2017 Total Eclipse was the first in the contiguous USA in 38 years. The last one before 2017 was on 1979 Feb 26, with totality in the northwest, including Mt. Saint Helens one year before her eruption. The 2017 eclipse brought 98.4 % coverage to Mt. Saint Helens.

Seven Cities named Salem: Salem, Oregon (the capital of Oregon) was the first major city in the US to see totality. Salem is shorthand for Jerusalem, means “peace” in Arabic and is related to the Hebrew “shalom”. The eclipse path passed over 7 towns named Salem in The US. They were nearly evenly spaced along the line—in Oregon, Wyoming, Idaho, Nebraska, Missouri, Kentucky and South Carolina

Echoes of Government and Lincoln: The eclipse was first visible on US soil at Government Point, Oregon. The first town in totality was Lincoln City, Oregon. It also went over Lincoln Point Wyoming and Lincoln Nebraska (the state capital) --99.6% at Lincoln Missouri and 98.4% totality at Lincoln's Birthplace in Kentucky.

Nashville: First total eclipse over area of Nashville, Tennessee since 1478. But, of course everyone knows real country music had already been eclipsed for some time. Country Music Fact: #1 country song at time of eclipse. “Body like a Back Road” (*“I know every curve like the back of my hand”*)

Leaves USA at Slave Port of Charleston: Eclipse exited the USA with center line at Charleston, South Carolina. Charleston was the largest slave port in North America. More than 200,000 Africans passed through the port of Charleston in chains, between the founding of the Carolina colony in 1670 and the prohibition of the Trans-Atlantic slave trade in 1808. Interesting juxtaposition entering US at Salem and exiting at Charleston. Echoes of Charlie Kirk, whose home state of Illinois is in the path.

Interesting Historical Yearly Anniversaries of 2017

- 500th anniversary of Protestant Reformation (Began 1517 Oct 31)
- 500th anniversary of first defeat of Spanish Conquistadors in the Americas at Battle of Champton in what is now Mexico (1517 Mar 25)
- 500th Anniversary of first official European delegation to China (1517 Aug 15)
- 100th anniversary of Balfour Declaration proclaiming Jewish homeland (1917 Nov 2)
- 100th anniversary of US entrance into World War One (1917 Apr 6)

- 100th Anniversary of Russian Bolshevik Revolution (Oct 1917)
- 100th anniversary of birth of John F. Kennedy (1917 May 29)
- 50th anniversary of Jewish control of Jerusalem (6-7-1967)
- 50th Anniversary of American “Summer of Love” (1967)

Sevens and 70's

- 7 months exactly after Donald Trump's first full day in office (1-21-2017), who won the presidency by 77 electoral votes, and assumed his first full day when he was 70 years, 7 months and 7 days old. (Trump was born the day of a lunar eclipse Jun 14 1946)
- 70th anniversary of beginning of Israeli war of modern nationhood (November 1947)
- 70th anniversary of the discovery of the Dead Sea Scrolls (early 1947)
- 70th anniversary of founding of CIA (1947 July)
- 70th anniversary of Roswell “Flying Saucer” incident (7-7-1947)
- The eclipse path was 70 miles wide.
- Saros 145, the character eclipse, is composed of 77 events. 2017 Aug 21 is its 22nd.
- 2017 was Hebrew Year 5777.

Historical Calendar Peculiarities—Calendar date August 21st

Two great eclipses occurred on the date of August 21 in the 20th Century.

August 21 1914 World War One (Saros 124)--One of the most clearly ominous eclipses in modern history. Fighting begins in worst slaughter in human history to that point just as total solar eclipse divides Europe, Ottoman Empire, and Russia.

August 21 1933 Jerusalem Ring of Fire--As Nazis seize control in Germany, ring of fire eclipse in Jerusalem and Baghdad (Babylon).

Saros 145 Recent History and Character

Saros are repeating characters (every 18 years 11 days and 8 hours- or 19 eclipse years).
Saros 145 creates the August 21st 2017 Great American Eclipse. Here are last 5 eclipses for Saros 145 before 2017- see them go backwards 18 years at a time:

August 11 1999- Europe/ Mideast/ South Asia---Saros 145 created the last complete solar eclipse of the second millennium. One of the greatest eclipses of all time. Totality from Nineveh, Iraq to Hitler's birthplace in Austria to France and England.

Jul 31 1981 USSR-The last decade of the Soviet Union's power begins with a cross-country eclipse that touches no other nation.

Jul 20 1963 Japan to USA- 18 years after atomic bombs ,total eclipse begins in Japan six years to the day before moon landing

Jul 9 1945 USA to USSR Atom Bomb Eclipse-Total solar eclipse travels from the USA to USSR one week before the detonation of the first atomic bomb.

6-29-1927 England to USA Beatles Premonition Eclipse – Liverpool England to USA exactly 14 eclipse years (4851 days) before the birth of the Beatles oldest member, John Lennon, on 10-9-1940. All the Beatles will be born in Liverpool.

What's next for Saros 145? It is scheduled to return on September 2 2035, when it brings totality for the first time in centuries to Beijing, the capital of China. Totality also in Pyongyang, North Korea and north metropolitan Tokyo.



Great American Ring of Fire 2023 Oct 14

Astronomical facts about the eclipse:

- Type of eclipse: Annular (Ring of Fire)
- Saros Number 134
- Duration of totality along center line of maximum eclipse: 5 minutes 17 seconds
- length of path: perhaps 8000 miles long or so
- width of path, roughly 125 miles wide
- Zodiac: in constellation Libra



Great American Ring of Fire October 14, 2023

Map courtesy of eclipseophile.com

2023 is the Second of Three American eclipses in Seven Years

The above illustration shows how balanced the path appears in relation to the Americas. It is the most balanced eclipse path between the continents since Europeans arrived in 1492.

October 14 Facts and Peculiarities

Charlie Kirk's 30th Birthday: Path through Arizona (where he lived) and Utah, where he died.

Almost Columbus Day: October 14 2023 is 531 years and two days from "discovery" of the Americas by Columbus. 48% sun coverage at landing site in San Salvador Bahamas.

Anniversary of First Crime of Conquistadors: Oct 14 2023 is the exact 531st anniversary (Oct 14 1492) of Columbus' abduction of 7 native youth to serve as guides; the first colonial crime in the Americas.

The Metonic just left Columbus Day: The last complete eclipse on this eclipse Metonic was on Oct 12 1977, the 485th anniversary of Columbus Day. That total eclipse traversed no land until it crossed Colombia, the only nation on earth named for the explorer.

Eisenhower vs. Hitler Rematch: 2023 Oct 14 is the 133rd Birthday of Dwight Eisenhower, born October 14 1890. Another complete eclipse occurred six months earlier on Adolf Hitler's 134th birthday on April 20. He was born April 20 1889. Eisenhower and Hitler were enemies in World War Two.

Peculiar distance from Mayan Apocalypse: 2023 Oct 14 is exactly 555.5 eclipse years from the "Mayan Apocalypse" total eclipse of August 8 1496 (Saros 127) which brought terror to the Aztec and Mayan tribes just as Spanish Conquistadors were arriving.

Extended Peculiarities of October 14 2023 Ring of Fire

North and South America: This is the first complete solar eclipse to connect the USA and South America (including full annularity at Panama Canal) since the USA's founding in 1776. The path connects North and South America with a complete Solar Eclipse for the first time since Oct 13 1632—391 years and one day before this Oct 14 2023 eclipse. The path touches 9 nations, a difficult geographic tightrope, perhaps the most ever for an eclipse in the Western hemisphere.

Latitude coincidence: The beginning spot of the eclipse in the Pacific Ocean is approximately 49.5 degrees latitude, which is also the same as the northernmost latitude of the northern boundary of the contiguous USA, 49.5 degrees at Angle Inlet, Minnesota.

Lincoln Anniversary: The 2023 eclipse enters the USA 10 miles south of Lincoln City Oregon exactly 167 eclipse years (57,879 days) after the assassination of Abraham Lincoln on April 14/15 1865.

Oregon: Newport, Oregon and a few other small settlements occupy the only tiny strip of land to receive complete eclipses in both the 2017 Aug 21 total and 2023 ring of fire solar eclipses. Salem just misses annularity. Eugene is in path.

Nevada: Annularity misses Las Vegas by a hundred miles (but still has 82 % coverage).

Utah: The eclipse crosses Utah, staying south. where it passes over several national parks and monuments including Bryce Canyon, Capitol Reef, Natural Bridges, Canyonlands and Bears Ears. Only small towns are in the path.

Colorado: Extreme SW Colorado in path, including Cortez. Anasazi ruins of Mesa Verde are in path.

Navajo Nation: Eclipse path crosses 3 of the four sacred Navajo Mountains (“corners of the Navajo Universe”)- Navajo Mountain in Utah, Mount Taylor in New Mexico and Hesperus in Colorado. Passes over Window Rock, Arizona—capitol of the Navajo Nation.

Path covers the entirety of **Lake Powell** in Utah, site of the damming of the Colorado River canyon system, perhaps the greatest ecological catastrophe in the history of America.

It passes over the center of the cross of the **Four Corners**, the only place in the USA (and the world?) where state political boundaries form a cross.

New Mexico. Annularity includes Chaco Canyon; ceremonial center of the lost Anasazi civilization. Acoma Pueblo is in Annularity, the oldest continuously inhabited village in North America (since 1150 AD). Eclipse passes over Santa Fe—the oldest and highest capitol city in America. Annularity in Albuquerque. Path crosses Los Alamos NM Laboratory (birthplace of Atom Bomb) and Roswell, NM where “flying saucer” event occurred in 1947, and real space aliens have shops on Main Street.

Oct 14 2023 in Texas:

Midland Again: Path heads over West Texas, crosses Midland, home of George HW Bush's oil business in the 1950's and the boyhood home of George W. Bush. Second USA annular eclipse in a row to touch Midland (and third in a row to directly impact it).

Columbus and Midland: May 20 2012 ring of fire ended at sunset over Midland, making Columbus Death day (May 20) and Columbus Crime Day (Oct 14) anniversaries enshrined in consecutive Ring of Fire eclipses both crossing Midland. The two Midland rings of fires are exactly 12 eclipse years apart.

Intersection with 2024 Total: The path intersects with upcoming 2024 April 8 eclipse path in the hill country west of San Antonio. Apex of intersection is just north of the town of Utopia. Exact apex appears to be Sabinal River south of Lost Maples State Park. Sabinal means "Cypresses" in Spanish. Exact Apex is near Piece of Heaven RV park and Hacienda Del Sol (Plantation of the Sun) Cabins.

Uvalde: The town of Uvalde, where 19 children were massacred in 2022, is in path of both eclipses. Eclipse over Mystic camp flood tragedy of 2025.

San Antonio: Annularity, the largest city in the nation to receive annularity in this eclipse.

The Body of Christ: Precise centerline of eclipse path exits the USA directly over Corpus Christi, or "Body of Christ", one of the only towns named that in the world.

Central and South America: Annularity in every nation in Central America except El Salvador (the Savior). Of course, being a Columbus Anniversary Eclipse, the path bisects the nation of Colombia 46 years and two days after their unique Columbus Day eclipse of Oct 12 1977

Brazil: The Ring of Fire crosses the northern entirety of the Brazilian state of Amazonas to exit the Americas at city of Natal (Nativity), very near the extreme northeastern tip of South America, the closest spot in the Americas to Europe. The eclipse also covers city of Joao Pessoa, the easternmost spot in all the Americas and the 3rd oldest city in Brazil.

Saros 134 Recent History and Character

Here are the last 5 eclipses for Saros 134 - see them go backwards 18 years at a time:

- **2005 October 3-Madrid Ring of Fire:** Madrid Spain directly in Totality, along with Algiers...path cuts through Africa, including Kenya.
- **1987 Sep 23- USSR Fall Equinox:** 7 weeks before Estonia became the first state of USSR to declare its independence. Eclipse also over China.
- **1969 September 11- South America:** Just missing the northern border of Chile, where a CIA coup ousts and kills President Salvador Allende four years later on September 11th 1973. 9-11 Metonic's first appearance in centuries.
- **1951 Sep 1 -Jamestown, Virginia to Africa Ring of Fire:** Eclipse path traces path of the first slaves brought by British colonists on 8-20- 1619 back to their homeland of Angola 331 years and 11 days later -see also **7-11-1619 Luanda Angola Eclipse**
- **1933 Aug 21 Jerusalem Ring of Fire** -mentioned earlier.



Great North American Eclipse: April 8 2024

Astronomical facts about the eclipse:

- Type of eclipse: Total
- Saros Number 139
- Duration of totality along center line of maximum eclipse: 4 minutes and 27 seconds
- length of path: perhaps 10,000 miles long
- width of path: 124 miles wide
- Maximum eclipse occurs near Nazas, Mexico
- Locater: Sun and Moon eclipse in Pisces between Mercury and Venus

Peculiarities Apr 8 2024 Total Eclipse

Easter: Occurs eight days after Easter, the closest any solar eclipse can astronomically occur to Easter. Easter is March 31, the first Sunday after full moon after Spring Equinox.

Buddha Birthday: April 8 is traditional birthday celebration of Buddha (Japan)

All three Nations of North America: April 8 2024 eclipse is the first total solar eclipse to cross all three nations of Mexico, USA and Canada overland since their founding. You have to go back to 664 AD for any path like the 2024 path. It will be the last total eclipse to touch all three nations until 2316. It is the only total solar eclipse to travel south to north overland border to border in US history.

The Most states ever for Total: The 2017 USA eclipse touched 14 states, the most states of any total eclipse in US history. The 2024 eclipse outdoes it by one, touching 15 states.

Last US Eclipse for a long While: It will be the last complete solar eclipse in USA for 20 years (until Aug 22 2044). This will be the longest stretch without an eclipse in USA since 1782 to 1806 24-year stretch.

New Madrid Fault: Totality over New Madrid, Mo, epicenter of largest earthquakes in USA history (1811/1812)

The Most People Ever in USA: The eclipse will cover far more metropolitan cities and go over more Americans in one path than any total eclipse in the nation's history.

Lots of Cities: Just some of the cities in the path of Totality:- Del Rio, Dallas-Ft. Worth, San Antonio, Austin, Waco, Texarkana, Little Rock, Terre Haute, Indianapolis, Dayton, Akron, Cleveland, Buffalo, Syracuse, Rochester, Burlington, Montpelier.

Near the Center again: The path passes within 50 miles of the geographic population center of the USA (Hartville, Missouri—with 99% totality)

Second line of Tav: It forms a balanced curved cross or x (Hebrew Tav) with the August 21 2017 eclipse

Mexico and Canada too: Crosses more metropolitan populations across nations of Mexico. USA and Canada than any other complete solar eclipse in the history of the western hemisphere.

Mexico: the eclipse first enters the North American continent with centerline directly over resort city of Mazatlán, it also traverses cities of Durango and Torreon (“tower”), site of the 3rd tallest statue of Christ in Latin America. Maximum Eclipse (4 minutes 27 seconds) of entire eclipse occurs near city of Nazas, an Arabic word for evil eye and shorthand for Nazareth. The eclipse exits Mexico at Ciudad Acuna to enter USA at Del Rio.

Canada: the eclipse scrapes the northern Toronto Metro area, and fully covers Montreal (founded in 1642 as Villa Marie or City of Mary).

Exits at St. John's: Eclipse exits North American north (99.24% eclipse) at St. John's, Newfoundland.

St. John's is the oldest city in Canada, and one of the oldest European settlements in the New World, founded by the British in 1497. Saint John as in John the Apostle, writer of the Book of Revelation.

First Canadian Total in 45 years: This is the first Total Eclipse visible from Canada since February 26, 1979, more than 45 years.

Specific US Geographical Peculiarities of the April 8 2024 Total Solar Eclipse

Let's trace the path from Texas to Maine and look at peculiarities in each of the 15 states

Texas Historical and Geographical Peculiarities April 8 2024

Big Texas Cities: Path manages to pass over 3 of the four largest cities in Texas—San Antonio, Austin and Dallas-Fort Worth. Together they are home to more than 12 million people. Also in the path are several other large cities, including Plano, Del Rio, Waco, and Texarkana.

Texas Tav: the two eclipses of 2023 Oct 14 (Ring of Fire) and 2024 Apr 8 make a geographical X over south Texas. Texas is the only state in the USA with the letter x in its name. The center of the X of those two paths is near town of Utopia.

Uvalde Again: The eclipse passes over the town of Uvalde, site of the massacre of 19 schoolchildren in 2022 just as the 2023 Ring of Fire does.

Odd Waco Anniversary: Eclipse passes over the site of the Mount Carmel Branch Davidian Massacre in Waco, Texas, where 76 people, including 25 children, were burned to death exactly 30 solar years plus one lunar year before this eclipse (30 Years 11 months and 20 days) on 1993 April 19.

Dallas and JFK: The eclipse passes directly over Dallas, their first total solar eclipse since 1878 and only their third total eclipse in nearly 500 years. Dallas is the site of the most notorious murder in modern American history, the assassination of John F. Kennedy on 1963 Nov 22. Total eclipse occurs in Dealey Plaza, site of the shooting, 60 years and 137 days later at 1:40 pm Daylight Savings Time, very near the time of the shooting, which was at 12:30 pm Standard Time.

LBJ in the Path: The eclipse passes over both the birthplace/boyhood home (Stonewall, Texas) and death place (Johnson City, Texas) of Lyndon B. Johnson, Kennedy's successor to the Presidency.

Interesting anniversary of JFK Eclipse: The eclipse of April 8, 2024 is separated by exactly 110 eclipse years (which is 220 eclipse seasons) from the Kennedy Death Premonition Eclipse of 11-22-1919. That amazing 1919 eclipse occurred exactly 44 years before the murder of JFK and passed over both the Texas Capital of Austin and Stonewall, Texas, home to a then ten-year-old Lyndon B. Johnson, who would replace Kennedy on 11-22-1963. See USA Eclipses and Kennedy section.

More Bush in the Path:The Eclipse passes over ranch of George W. Bush in Crawford, Texas and his family's current residence in Dallas. The preceding Ring of Fire 177 days earlier on 2023 Oct 14 passes directly over his boyhood Home of Midland/Odessa Texas.

Space Shuttle Columbia: The eclipse passes over site of Columbia Space Shuttle disaster near Dallas on 2003 Feb 1, during George W. Bush's Presidency, seven weeks before the US invaded Iraq in March of 2003. Columbia is the female national personification of the United States, a historical name also applied to the Americas and to the New World.

Arkansas and Clinton: Totality over the birthplace/boyhood home of President Bill Clinton (Hope) as well as his adult and governor's home in Little Rock. Also pPasses over the town of Clinton, Arkansas.

Tennessee sees totality in only a few square miles, touching only a tiny corner of the state, the port of Cates Landing, one side of an oxbow of the Mississippi River across from New Madrid, Missouri...epicenter of the great New Madrid earthquakes (Dec 16 1811 to Feb 7 1812)

Little Egypt Apex: Sections of Missouri, Illinois, and Kentucky will see their second total eclipse in 7 years. That area is known as “Little Egypt”. Center of the apex of the USA total eclipse cross is very near the township of Makanda, Illinois—once known as the “Star of Egypt”. The exact apex appears to be on the east side of Cedar Lake at Salem Road.

Missouri is the state crossed most dramatically by the x created by the two eclipses of 2017 and 2024. The 2024 eclipse touches no major cities in Missouri, though many smaller towns.

Kentucky: Paducah is eclipsed for the second time in 7 years, the largest city in USA to receive totality in both eclipses. Farther to northeast, Abe Lincoln's birthplace receives 98% coverage.

Illinois and Bald Knob Cross: Carbondale and Chester Illinois receive totality for the second time in seven years. As in the 2017 eclipse, the path passes over Bald Knob Cross, near Alto Pass Illinois, once the largest cross in North America and still one of the biggest at 111 feet tall. It is situated on a hill at the highest point in southern Illinois, near Makanda.

Indiana: Most of the state sees Totality, including Columbus, birthplace of Trump's Vice-President Mike Pence. Also in path is Indianapolis, home of ex Vice-President Dan Quayle and politician Pete Buttigieg. Totality over site of Battle of Tippecanoe (1811 Nov 7) in Battle Ground, Indiana at Prophetstown State Park. That battle was one of the turning points in the wars for domination of the American Indians. Prophetstown was founded by Tecumseh, the great Shawnee warrior and Chief.

Ohio: the eclipse hits or scrapes nearly all major cities (totality in Cleveland), though barely the north Cincinnati Metro and bisecting Columbus Metro area. Eclipse occurs exactly 233 eclipse years after the founding of Ohio on 1803 Mar 1. Crosses site of Kent State killings of 1970 near Akron. Ohio was the home of 8 US Presidents.

Mormon Associations: In **Ohio**, path goes over Kirtland, the early home of the Mormon Church and Joseph Smith from 1831 to 1837. Path goes over **Hiram, Ohio** where Joseph Smith was famously tarred and feathered. Eclipse Totality goes over **Manchester, New York**, where Smith claimed to have found the golden tablets from which the Mormon religion is founded. The path very nearly goes over Joseph Smith birthplace of **Sharon, Vermont** (99.13%). 97% coverage at Brigham Young Birthplace of **Whitingham VT**.

Michigan sees even less totality than Tennessee, and only the barest few square miles experience total eclipse, in the area of Lost Peninsula.

Pennsylvania: crosses city of Erie. 94.7% at Biden birthplace of Scranton.

New York State: In New York, the path follows entire northern border of the state. Totality at Niagara Falls. Centerline of totality in Rochester, Buffalo and Watertown, home of Allen Dulles who headed the CIA from 1953 to 1961. Dulles was born April 7 1893, 131 years and one day before eclipse.

Vermont: Total eclipse in Vermont's two largest cities, Burlington and Montpelier.

New Hampshire: Crosses the little populated extreme north.

Maine: Maine is one of the states most crossed by eclipses in the history of USA. Caribou, Maine is the last major town in the USA to experience totality in the 2024 eclipse.

US/ Canada Border: The eclipse path straddles the USA/ Canada Border for nearly 700 miles-from Toledo Ohio to just south of Quebec City Canada. The path exits Maine, about 100 miles from the easternmost point of the USA, then travels across extreme eastern Canada. The eclipse will have spent only about an hour and a half crossing North America.

Date Peculiarities of April 8 2024 and 2024 in general

Monday: Like 2017 Aug 21 USA Eclipse and both Mideast Cross eclipses, this eclipse also occurs on Monday. It is a Hepton Cycle Eclipse.

Anniversary of Titanic Eclipse: The Titanic Hybrid Eclipse of 1912 Apr 17 (60 hours after the sinking) and the 2024 Apr 8 total eclipse are exactly 118 eclipse years apart—40,902 days

Anniversary of New World Eclipse: The New World Eclipse (1492 Oct 21), which occurred nine days after Columbus landed in the Americas and the 2024 Apr 8 eclipse are exactly 560 eclipse years apart (194,104 days). Eclipse coverage in 2024 is 31% at Columbus landing site in Bahamas

500th Anniversary of sighting of Manhattan: Apr 8 2024 is nine days shy of exactly 500 years from the sighting of Manhattan Island by the explorer Verrazano on Apr 17 1524. New York City sees 90% coverage in the 2024 Eclipse. **400 Years** since the first Dutch colonists arrive in New York (1624)

100th Anniversary of end of Indian Wars: 2024 is 100 years after the final US Army skirmish with the Apache tribe, which ended more than 400 years of the North American conquest. (1924)

The character of Saros 139 History and Peculiarities

Saros 139 creates the April 8 2024 Great American Eclipse. Recent past of Saros 139,

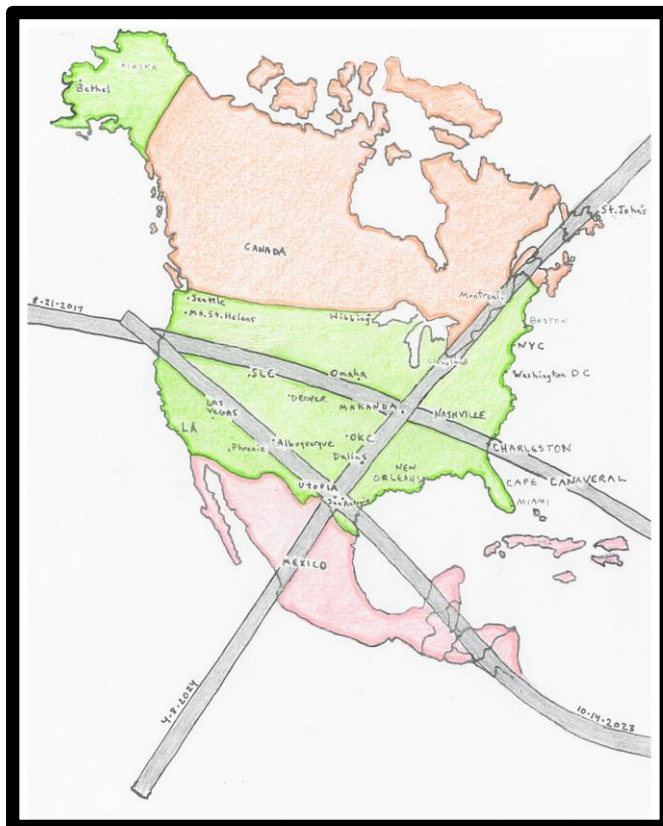
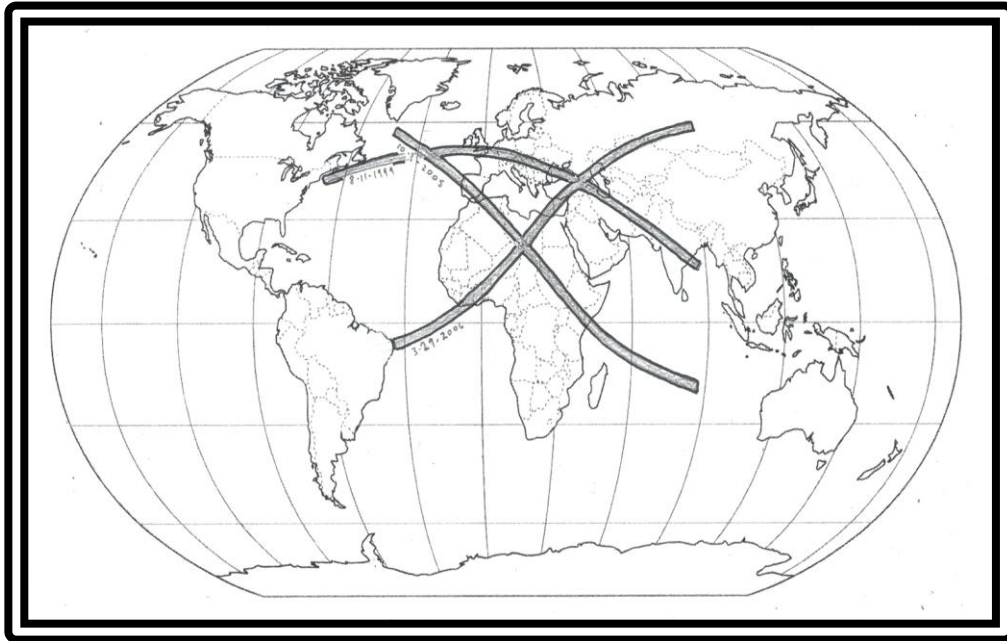
Turkish Cross March 29 2006: Began at sunrise over east coast city of Natal (“Nativity”), Brazil— It crossed the Atlantic, Africa, Turkey and Georgia, Kazakhstan, including totality at their unusual Capital of Nur-Sultan, home of the 203 ft Palace of Peace and Reconciliation, a pyramid devoted to reconciliation of the world religions. Paired with **Aug 11 1999 End of Millennium Eclipse**. The extraordinary design they create is nearly identical to the one they recreate over America between 2017 and 2024. See next page.

1988 Mar 18 Total eclipse in Indonesia, Malay and southern Philippines. Mount Pinatubo of the Philippines erupts 3 years, 3 months and 3 days later in the 2nd largest eruption of the 20th century.

1970 Mar 7 End of 60's USA eclipse...Total Eclipse across southeastern seaboard of USA. 93% totality at Cape Canaveral/ Cape Kennedy 234 days after first rocket to the moon. Totality at Charleston South Carolina, the greatest Slave Port in North America (totality again in 2017). The end of the sixties.

1952 Feb 25 Iranian Shahrud Eclipse ---one of the eclipses that make up the great **Shahrud Iran Cross of 1952 and 1954**, bordering the US led coup that established the reign of Shah Reza Pahlavi (see historical eclipses for more info).

Below: Mediterranean Aleph formed by Saros 145, 134 and 139 as they appeared 1999 to 2006. Below that, the American Aleph of 2017, 2023, and 2024 formed by same saros.



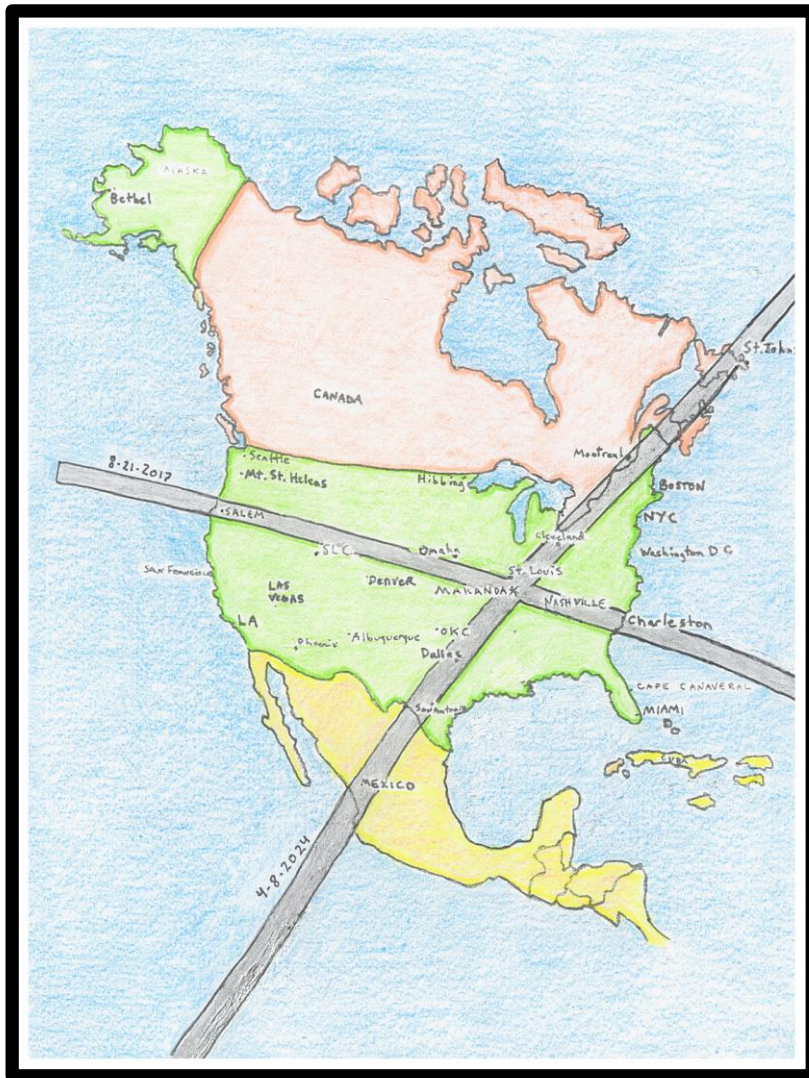
The Texas Tav: 2023 and 2024



2023 Oct 14 Ring of Fire (Saros 134) and 2024 Apr 8 Total (Saros 139)

Two extraordinary eclipses intersect in extraordinary fashion over South Texas.
San Antonio sees two eclipses in six years.

Exact apex apparently near Lost Maples State Park; near Texas town of Utopia, in the hill country west of San Antonio. About 20 miles from Mystic Camp tragedy .

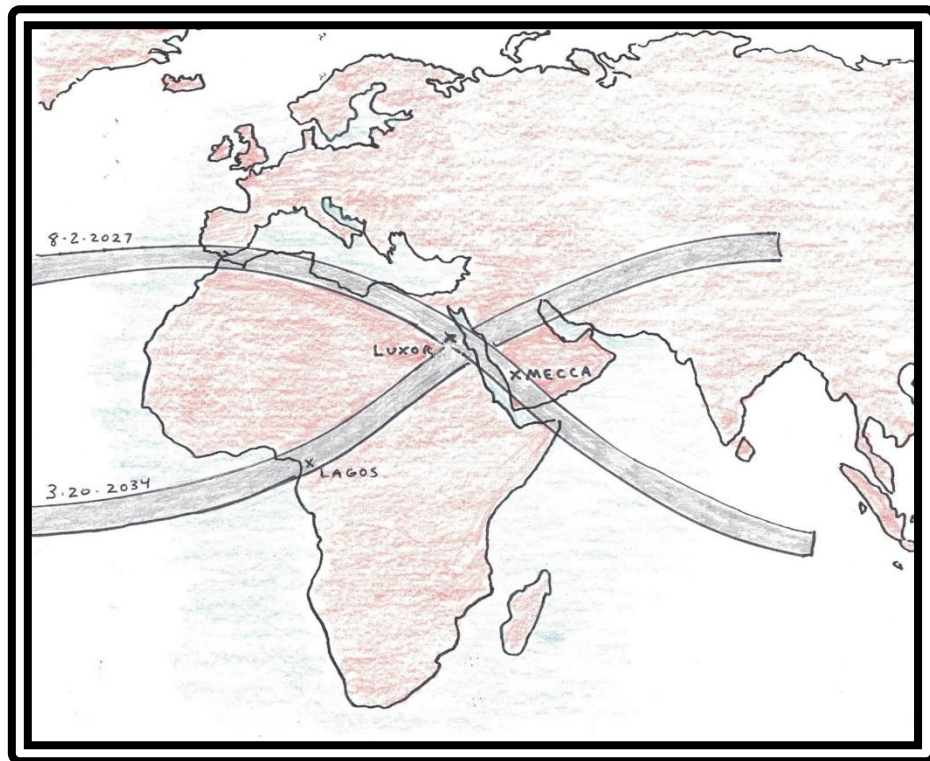


American Total Hepton Cross 2017 and 2024

Two unique total eclipses- Aug 21 2017 and Apr 8 2024- cross exactly 7 eclipse years apart over the area known as Little Egypt. Apex near the town of Makanda (“Star of Egypt”) 8 days after Easter at the most critical time in the history of the United States. These two eclipses are separated precisely at midpoint by a total eclipse in the Southern Hemisphere on Dec 14 2020 (not pictured), which occurs simultaneously with the electoral college of the USA electing the Biden/Harris ticket on the 221st anniversary of George Washington's death.

The next Hepton Cross begins in Egypt at the Valley of the Kings 1211 days later on August 2 2027.

The Great Mideast Cross 2027 and 2034



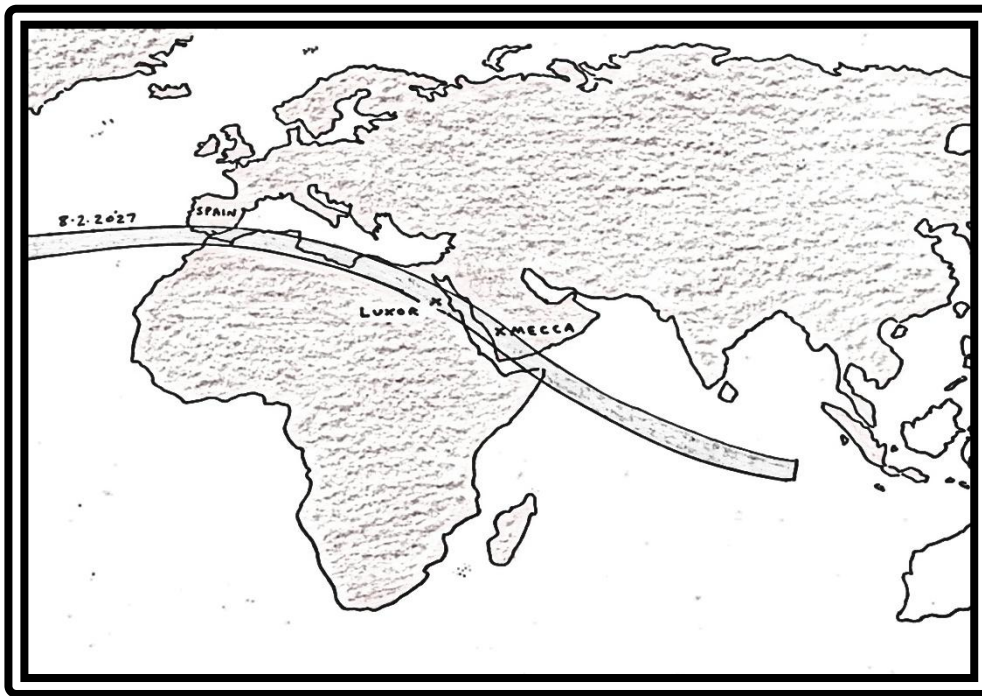
The Mideast Cross is formed by two Hepton Cycle eclipses of Aug 2027 and Mar 20 2034. They are part of the Hepton Cycle which creates the two Total American eclipses we just studied but are different Saros personalities. Like those two eclipses, these two happen on Mondays.

The precise apex of the two paths is southeast of the Valley of the Kings in the Red Sea near St. John's island almost precisely on the Tropic of Cancer. This cross mimics the nearly identically shaped Hepton Cross formed by the American eclipses of 2017 and 2024.

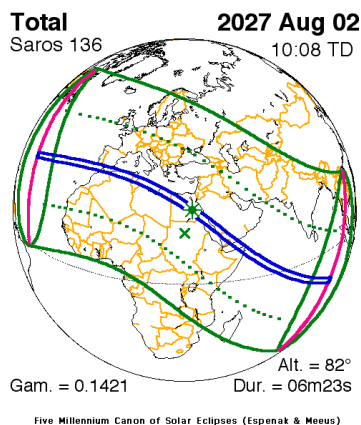
Like the American cross, these two eclipses are 2422 days apart and both appear on a Monday. Also, like the American cross, they are separated at the 1211-day midpoint by another significant Total Eclipse in the same hemisphere, in this case the Nov 25 2030 British Empire Eclipse from South Africa to Australia, which we will study later. They also have a significant Ring of Fire event in their midst, in this case a Jun 01 2030 Ring of Fire through all Eurasia, including Athens and Istanbul.

The 2027 Valley of the Kings Eclipse is 1211 days from the 2024 Easter North American Eclipse. There are great peculiarities in the relations of all these eclipses, but first we will take a quick look at the individual eclipses themselves.

2027 August 2 —The Valley of the Kings and Mecca



Introduction



The most powerful Saros Character of them all, Saros 136, which is creating the longest eclipses of the last thousand years, makes a powerful statement across the center of the world.

Maximum Eclipse occurs almost directly over Luxor, Egypt the Valley of the Kings, perhaps the greatest symbol of ancient Imperial Power, magic arts and mystery religion in the history of the world. Prior to reaching there, the path straddles the Straits of Gibraltar and follows the coastline of North Africa. After exiting Egypt in the Red Sea, it passes directly over the Holiest City of Islam, Mecca.

Not long after, it crosses Yemen and the Gulf of Oman. It exits land at the easternmost tip of Africa at the Horn of Somalia and dies at sunset in the Indian Ocean.

Astronomical facts about the Aug 2 2027 eclipse:

- Type of eclipse: Total
- Saros Number 136
- Duration of totality along center line of maximum eclipse: 6 minutes and 23 seconds—this will be the longest eclipse on Earth until 2114
- length of path: perhaps 8500 miles long
- width of path, 160 miles wide
- Maximum eclipse occurs 37 miles southeast of Luxor, Egypt
- Zodiac Locater: Eclipse occurs in Cancer

Geographical and Historical peculiarities of August 2 2027 Total Eclipse

Two continents at once: Eclipse begins over open Atlantic Ocean and first hits land at the Straits of Gibraltar, simultaneously straddling Europe and Africa at their closest point.

North Africa: Totality at or very near most major cities on the north coast of Africa except Egypt. The eclipse touches every nation on the North coast of the African continent, Morocco, Tunisia, Algeria, Libya and Egypt.

Close to Total at Pyramids: Cairo Egypt has 95% totality. 94% at Pyramids of Giza.

Spanish Swarm: Extreme Southern Spain experiences a total eclipse exactly one lunar year after Spain's first Total eclipse in 128 years (which occurred 2026 Aug 12)

The Rock of Gibraltar: perhaps the most famous rock in the world. Rock of Gibraltar is one of the two traditional Pillars of Hercules. According to ancient myths of Greeks and the Romans, it marked the limit to the known world.

Algeria: path cuts just south of Algiers with totality over Constantine, Oran, Sidi Bel Abbes and others, covering virtually all the major cities of Algeria besides Algiers.

Tunisia: Eclipse bisects Tunisia, including ruins of Carthage.

Libya: Crosses Libya at Tripoli then Benghazi. Libya's 3rd eclipse in 22 years.

Egypt: crosses the famous Siwa Oasis, the most remote settlement in Egypt, populated for 3,000 years, also known as the Oasis of Amun-Ra, home to Oracle of the Egyptian god Ammon, visited by Alexander the Great in quest to conquer the Persian Empire.

- Crosses Asyut, Egypt ("guardian" in ancient Egypt) a 5,000 year old city founded by the banks of the Nile, now containing the largest concentration of Christians in Egypt. Mummies of wolves have been found there and apparently the god Osiris was worshiped there as a wolf.

Valley of the Kings: Maximum eclipse of the path occurs almost directly on Luxor, Egypt, (ancient name Thebes), the “Valley of the Kings”. This necropolis has frequently been characterized as the "world's greatest open-air museum", the first center of human empire. The Egyptian temple complexes of Karnak and Luxor stand within the modern city. All of it is in total eclipse. More than 65 Royal burials took place in the Valley of the Kings.

Pharaoh Ramses of the Biblical story of Exodus and his extended family were buried in the Valley of the Kings, along with many structures built by the Hebrew slave labor depicted in the Bible. Ramses II is the Pharaoh confronted by Moses and the plagues of God. Nearly all burials have since been “excavated”. Ramses tomb was apparently robbed beginning in late 1800's, and his body taken away in 1881 and now resides in a Cairo, Egypt museum.

The Valley of the Kings is also home of the tomb of 19 year old Pharaoh Tutankhamen. In the greatest authorized grave robbery of the 20th century, his tomb was opened on 1922 Nov 4, 7 months and 7 days after a Ring of Fire Eclipse bisected Egypt on 1922 Mar 28. That eclipse was the last great complete eclipse to cross Egypt before this one.

Mecca: Path crosses Red Sea into Saudi Arabia. Mecca, the holiest city of Islam, receives totality for the first time since Aug 30 1905.

Yemen: Path crosses ancient city of Sanaa, Yemen, then the Horn of Africa and exits into Indian Ocean. The last land touched at sunset is Nelson's Island in the Indian Ocean, the most northern and easternmost island of the Great Chagos Bank, the world's largest coral atoll structure.

Metonic and Historical Peculiarities for August 2nd 2027

Jesus: 2027 is the first reasonable possible 2,000th anniversary of the Crucifixion and resurrection of Jesus Christ, which necessarily occurred sometime between 27 and 34 AD.

Been a Long Time: This is the first appearance of an August 2 Solar Eclipse since Aug 2 1674.

Iraq War Anniversary :August 2 2027 is the 37th Anniversary of the invasion of Kuwait by Iraq on 1990 Aug 2, the beginning of the USA's attempted occupation of Babylon. Eclipse has 60% coverage at Kuwait City. 56% in Baghdad.

Declaration of independence Signing: August 2 2027 is the 251st anniversary of the final signing of the Declaration of Independence. Most signers signed it on Aug 2 1776.

Hitler becomes Fuhrer: August 2 2027 is the 93rd anniversary of the ascension of Adolf Hitler to the title of Fuhrer upon the death of Hindenburg. (Aug 2 1934)

Einstein promotes A-Bomb: August 2 2027 is the 88th anniversary of Albert Einstein's letter to Franklin Roosevelt encouraging the development of an atomic bomb (8-2-1939)

JFK and PT 109: August 2 2027 is the 84th anniversary of the sinking of PT-109 in the Solomon Islands on 8-2-1943, where the legendary heroics of future President John F. Kennedy saved the lives of his crew mates. That event is in itself shadowed in eclipses (see Kennedy Connections)

Gulf of Tonkin: August 2 2027 is the 63rd Anniversary of the Gulf of Tonkin “incident”, which was used as the pretext for massive involvement by the USA in Vietnam.

Zodiac Peculiarity

- The Valley of the Kings eclipse of 2027 sees the sun and moon eclipse in Cancer, where Venus will be as well.
- Cancer faces Leo the Lion in the Zodiac. The eclipse of 2017 featured sun and moon in the paws of Leo.
- The constellation Cancer (the Crab) was considered a Scarab Beetle by the Egyptians. The Egyptian scarab (or dung beetle) was linked with the god Khepri, who presided over the sun, sunrise, and the renewal of life.
- Cancer is next to Leo in the Zodiac.
- The constellation Leo was home to the 2017 Aug 21 Eclipse. Leo is the Lion as symbolized in Judeo/Christianity as the Lion of Judah. To Jews, this Lion is yet to come. To Christians, The Lion is Jesus who will return again. These two great symbols, Lion and Crab, face each other with matching Total solar eclipses ten years minus 19 days apart.

Saros 136 Recent History and Character

Saros are repeating characters (every 18 years 11 days and 8 hours- or 19 eclipse years). Saros 136 creates the August 2nd, 2027 Valley of the Kings Eclipse. For visual depiction, see Saros Section. For detailed descriptions of these individual eclipses see World Section.

Solar **Saros 136** produced the six longest total solar eclipses of the 20th century, three of them over seven minutes long. It also produced the longest total eclipse of the 21st century at 6 min 38.86 sec on July 22 2009 (The **Wuhan Eclipse**). It will produce this century's three longest total eclipses. Saros 136 will ultimately produce a total of 44 total eclipses. It produced the most central total eclipses of any Saros between the years 1209 and 2718 and produced the greatest magnitude of any eclipse since the year 540 on July 11 1991. ***Clearly this is a peculiar Saros.***

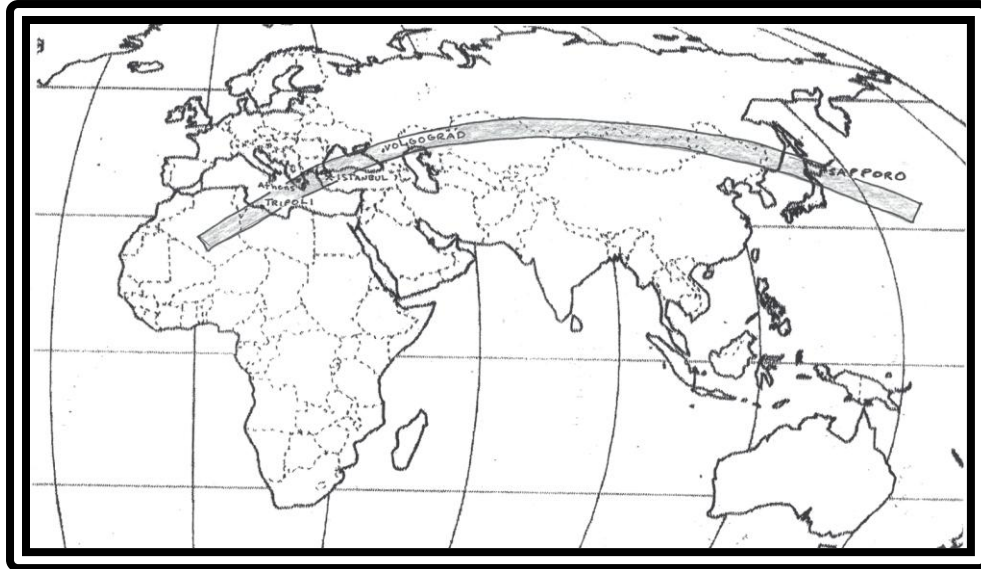
Here are last three Saros 136 eclipses, going backwards in time

2009 Jul 22 The Wuhan Eclipse: Wuhan, China experiences the longest total eclipse of the 21st century along with Shanghai and many other great cities. Totality over many big cities in India. Ten years before pandemic.

1991 Jul 11 Hawaii and Central America: Big Island of Hawaii has totality. Totality in Mexico City over the Aztec Pyramids and most of the nations of Central America, many embroiled in civil war.

1955 June 20 Southeast Asia: Saros 136 produces the longest total eclipse (7 minutes, 7 seconds) since the 11th Century with center over Southeast Asia, totality bisecting Vietnam and Cambodia. Centerpiece of a six-eclipse swarm over that region of the world-- just as it plunges most deeply into the nightmare of modern war..

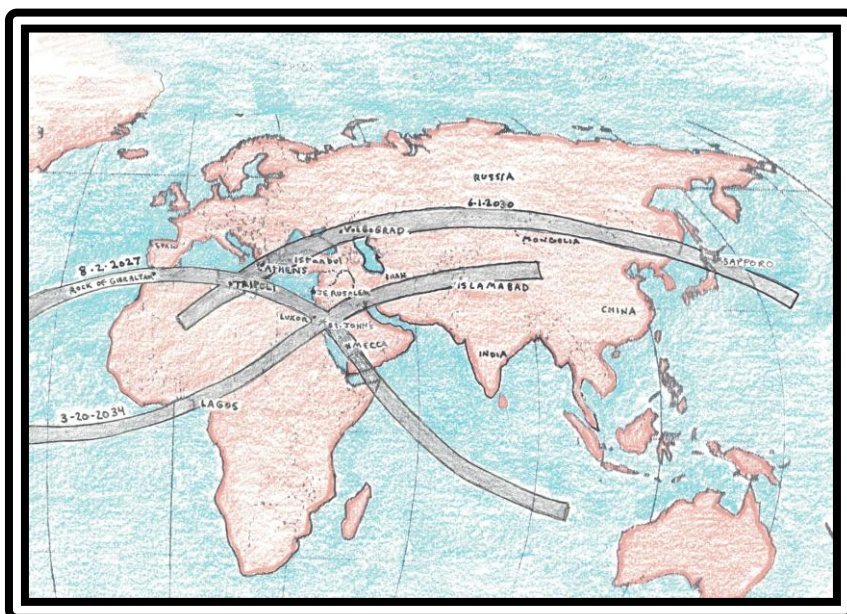
1919 May 29 Einstein's Eclipse: South America to Africa on JFK's second birthday. Einstein's theory of relativity proved by observation of the eclipse.



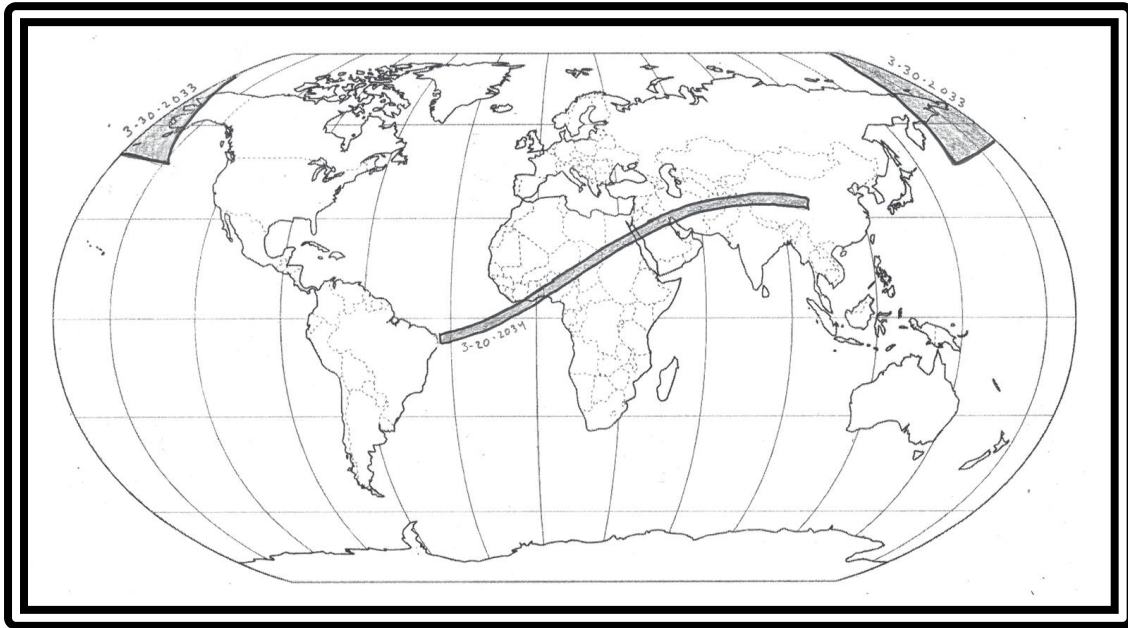
June 1 2030 Athens/Constantinople Ring of Fire.

2030 Jun 1 Athens/Constantinople Ring of Fire. Extraordinary path beginning in Algeria and ending in Japan. Great cities along the path include Tripoli, Athens, Istanbul (Constantinople), Sevastopol, Volgograd and Sapporo. This Ring of Fire occurs 3 eclipse years after August 2 2027 Valley of the Kings

Here's all three Mediterranean Eclipses Together



March 20 2034 Spring Equinox



The Great Civilization Eclipse of March 20 2034 completes the Spring Equinox Metonic we will look at later which began in 2015. It is pictured in the center of map. Let's look at its peculiarities.

Astronomical facts about the eclipse:

- Type of eclipse: Total
- Saros Number 130
- Duration of totality along center line of maximum eclipse: 4 minutes and 9 seconds—
- length of path: perhaps 8500 miles long
- width of path, 99 miles wide
- Maximum eclipse occurs over Tougouni Mountain in nation of Chad
- Zodiac: eclipse occurs in Pisces

Date Peculiarities March 20, 2034

Spring Equinox: March 20^t 2034 is the Spring (Vernal) Equinox. The Spring Equinox is the traditional first day of the year for many cultures, ancient and modern.

Nineteen Years after North Pole Eclipse: There was a Spring Equinox Total Eclipse (Saros 120) 19 years prior on 2015 Mar 20. That eclipse ended directly at the North Pole, perhaps the first eclipse in human history to do so.

Happy New Years: March 20 2034 marks New Year or New Year's Eve for Muslim, Hindu, Zoroastrian and Bahai Calendars. 2034 Mar 20 marks the 307th anniversary of the death of

Sir Isaac Newton, probably the most famous scientist of all time (1727 Mar 20 Julian Calendar). Newton calculated the Crucifixion of Jesus at Apr 23 34 AD, which would make the 2034 Mar 20 eclipse occur 34 days prior to his calculation of 2000th anniversary of Crucifixion and Resurrection.

March 20 Eclipses are Rare: There have been only 7 complete eclipses on the exact March 20 date between 403 BC and 2014 AD (2417 years). Of those: 3 were total, 2 hybrid and two annular. Only two touched major civilizations and empires of earth. There was a Mar 20 total eclipse in 1662, prior to that, there were two total eclipses on March 20 since the birth of Jesus. One was on 1140 Mar 20 over England and Germany, near the beginning of the war called “The Anarchy”, which featured a total breakdown in law and order.

Jesus: The most obvious Solar Eclipse near possible Jesus Crucifixion was on March 19/20 33 AD had a total eclipse (only visible in Antarctica and Indian Ocean) one day prior to Spring Equinox and 14 days prior to the traditional Crucifixion date of Friday 33 April 3 AD, when a partial lunar eclipse was visible from Jerusalem. In 2034, exactly 2,001 years later, there will be both a March 20 solar eclipse and an April 3 Lunar eclipse

Temple Destruction: On Mar 20, 71 AD, the day of Spring Equinox, a hybrid total crossed Greece and Turkey, 143 days after the destruction of the Jewish Temple by Rome featuring totality in Greece (very near Athens—and directly over Artemida, named for the goddess of the moon. In other words, The Crucifixion of Jesus Eclipse (33 AD) and the destruction of the Temple Eclipse (70 AD) are framed by March 19/20 Spring Equinox eclipses occurring 38 years apart. 38 years is two Metonic Cycles.

One Lunar Year after Great Bering Strait Eclipse: Exactly one lunar year prior to the Mar 20 2034 eclipse is a Total Eclipse on Mar 30 2033 which straddles the Bering Strait between the USA and Russia, linking both hemispheres simultaneously. That eclipse is only four days from the traditional 2,000th anniversary of the Crucifixion and 7 days from the traditional Resurrection.

Path of the Mar 20 2034 Solar Eclipse.

Brazil: Begins just offshore of Brazil near Fortaleza-” Fortress” (90% coverage)

Africa: Crosses Atlantic and enters Africa, rapidly crossing 3 national capitals along the “slave coast”. The first two capitals are Porto Novo, capital of Benin, the infamous Portuguese slave port, the second is Lome, capital of Togo. The third African capital is Lagos, Nigeria, the largest metropolitan area in Africa (nearly 25 million people), also once a slave port. Its native name is “Eko” which means “war camp”. Path crosses Chad, with maximum eclipse in Chad near Tougouni Mountain—then continues through war-torn Darfur and Sudan, before entering southern Egypt.

Egypt: Path crosses southern Egypt

Saudi Arabia: The eclipse crosses the Red Sea (85% eclipse at both possible Mt. Sinai locations in Sinai Peninsula and Saudi Arabia) and enters Saudi at Yanbu, an important site in Islamic history just north of Medina. Totality scrapes northern metro area of Medina, Saudi Arabia, where the Prophet Mohammed died and the second most holy city in Islam. He died on June 8 632 AD- almost exactly 1477 eclipse years and 1445 lunar years prior to this eclipse.

Kuwait: Path crosses southern Kuwait City, 44 years after Iraq invasion of 1990.

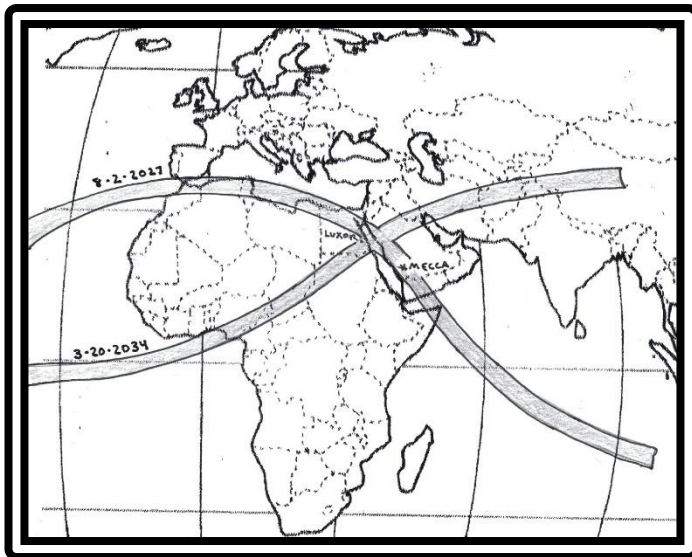
Iran: Path bisects Iran, entering at Bandar Ganauch and crossing Shiraz, one of Iran's oldest cities. Path bisects southern Afghanistan, including city of Farah, founded by Alexander the Great.

Pakistan: Path crosses northern Pakistan, including Peshawar, one of the oldest cities in south Asia and over the planned city of Islamabad (means “City of Islam”), the capital of Pakistan.

Kashmir: Path continues over Kashmir, the disputed mountain region of Pakistan and India, including its largest city, Srinagar.

Tibet: Eclipse ends in Tibet at sunset, in an area now controlled by China.

Crosses: 2027 and 2034 Hepton Eclipses



The 2034 path crosses the 2027 eclipse path just south of the Valley of the Kings and creates apex in the Red Sea over St. John's Island just east of Egypt. The 2030 path crosses the 2027 path over Tripoli.

Only two towns of any decent size are in both eclipse paths, Ras Banas and Al Shalateen, both in Egypt though Shalateen is a disputed territory with Sudan. Ras Banas is on a peninsula north of an inlet called "Foul Bay", by the ancient port of Berenice, founded by Ptolemy in the 3rd century BC and home of the famous troglodytes. Berenice was a critical trading port for several empires. Its most famous ruin is that of an Egyptian style Temple featuring the name of Tiberius. Tiberius was Caesar during the last days of Jesus of Nazareth. Both eclipses of 2027 and 2034 cover this same temple in totality. Little has

been written about Al-Shalateen, but apparently, they have several markets there, and it is known as a place of camel trading.

The true apex of the two eclipses occurs in the Red Sea near St. John's Island (Zabargad), a small yet somewhat famous island known for its now submerged topaz mines. It is presumably named after Saint John, who wrote the Book of Revelation. St. John's, Canada was the last town touched by the 2024 USA eclipse.

Further Peculiarities during 2027 and 2034 Solar Eclipses

Apex is Right on the Tropic of Cancer: Apex of the two eclipses of 2027 and 2034 is directly on the Tropic of Cancer (23.5 degrees North). The Tropic of Cancer is the northernmost latitude on Earth where the Sun can be directly overhead, which occurs on Summer Solstice. It was named in the last centuries before Christ, when the sun was in constellation Cancer. It has since shifted to Gemini.

Eclipse of 2027 is in Sign of Cancer: The Eclipse of 2027 sees the sun and moon eclipse in Cancer, near the planet Venus. Cancer faces Leo the Lion in the Zodiac. The eclipse of 2017 Aug 21 featured sun and moon in the paws of Leo.

Cancer is the Egyptian gods Khepri and Atum-Re: The constellation Cancer (the Crab) was considered to be the Scarab Beetle by the Egyptians. The Egyptian scarab (or dung beetle) was linked with the god Khepri, who presided over the sun, sunrise, and the renewal of life. Ancient Egyptians believed that scarabs were the reincarnations of Khepri himself, and depictions of the god often show him with the head of a scarab. The scarab beetle was also associated with the gods Atum and Re, who represented primordial creation and the sun, respectively. Together, the gods formed Atum-Re, which illustrated the joint power of the sun and creation.

2034 Eclipse in Pisces: In the March 20 2034, the sun and moon eclipse just below Pisces near the planet Jupiter. Pisces is considered the sign of the fish. The age of Pisces

apparently began around 68 BC, and thus close to the birth of Christ. It's one of many reasons Christians are associated with fish.

Saros 130 Recent History and Character

Saros 130 began its life with a partial eclipse on Aug 20 1096, five days after the First Crusade began on August 15, 1096. Saros 130 brought the first total eclipse on Earth after the discovery of the New World—Apr 16 1493. Exactly 570 eclipse years separate that eclipse and the March 20 2034 eclipse.

Saros 130 brought the longest total eclipse of the 17th Century, on Jul 11 1619, at 6 minutes and 41 seconds in duration. That path connected the Americas and Africa. It crossed the port of Luanda, Angola close to the exact day that African Ndongo slaves loaded there were brought to Jamestown. They were put on the Spanish slave ship San Juan Bautista probably bound for South America. Some of those slaves was taken aboard an English ship, White Lion, bound for Jamestown in North America. They arrived on August 20 1619. That arrival was 398 years and one day before the Aug 21 2017 USA eclipse, which featured totality in Charleston SC, North America's largest slave port. This was likely Saros 130's most extraordinary moment until 2034.

Recent history-last two events:

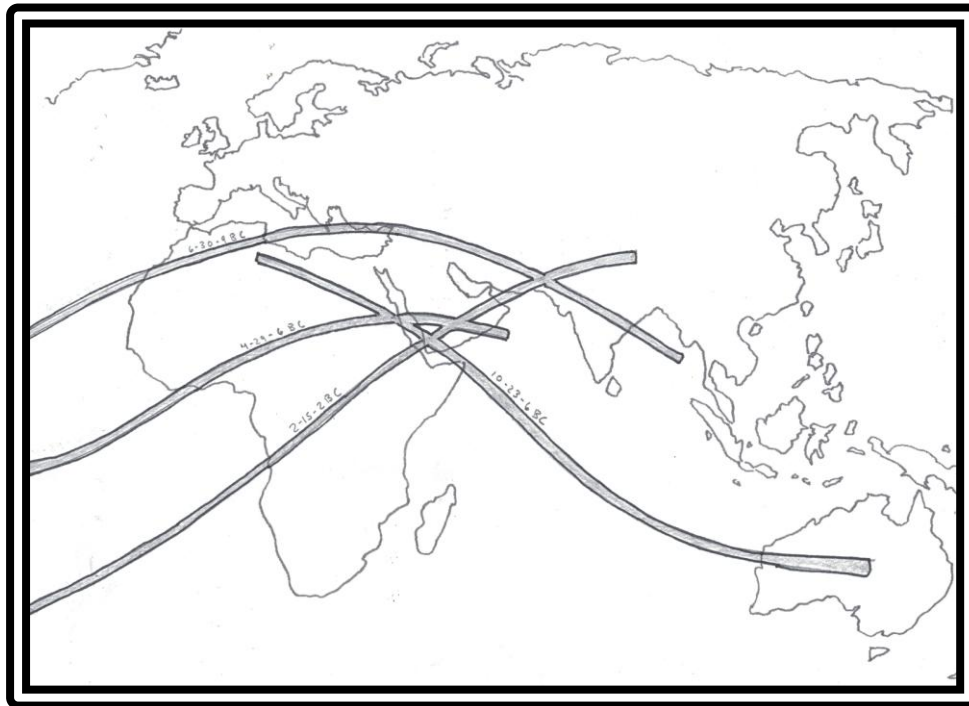
March 9 2016 Nyepi Eclipse was seen almost exclusively in Indonesia though it traveled for thousands of miles of open ocean. The eclipse occurred on Nyepi, a public holiday in Indonesia and the end of the Balinese Saka calendar. Nyepi is a day of silence, intended for self-reflection.

February 26 1998 Panama Isthmus Eclipse occurs over a tiny portion of land, at isthmus of the Americas 19 years to the day after the Mt. Saint Helens Eclipse of February 26 1979.

Cosmic JESUS

Jesus Life and Death:

We'll now shift our focus to complete solar eclipses potentially visible from the Middle East around the life of Jesus. We only portray eclipses where more than 50 % of the sun was likely to be covered in occupied Palestine where Jesus was raised. First, eclipses around his birth:



Hepton Eclipse Swarm around birth of Jesus 9 BC to 2 BC.

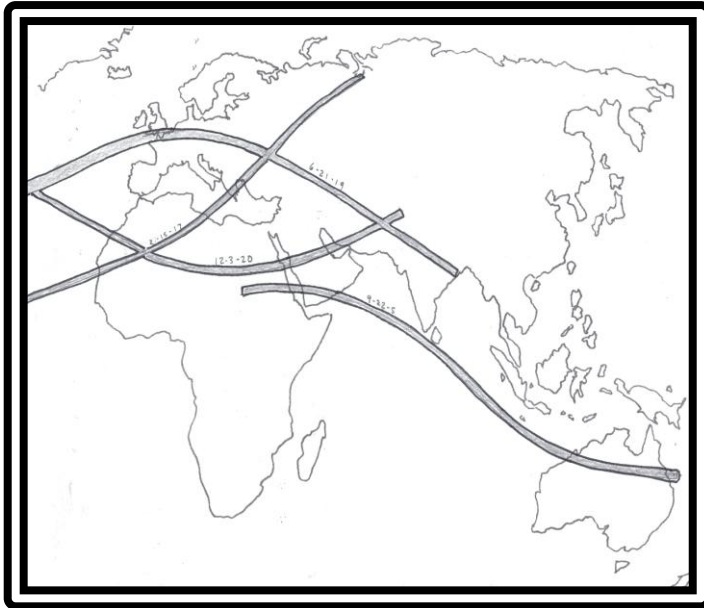
9 BC Jun 30 Total Saturday (Saros 75) Three years before the earliest possible birth of Jesus, this eclipse would have been well-known in the Roman Empire and Holy Land, with 80% to 90% plus coverage in Palestine. Totality in modern Tripoli, Greek Island of Crete ("birthplace of Zeus"), southern Asia Minor, Lebanon, Syria just north of Damascus. Centerline goes over Babylon (modern Baghdad, Iraq), ancient Persian capitals of Susa, Pasagardes and Persepolis. Path crosses modern Karachi Pakistan and bisects India. Eclipse lasting 6 Minutes and 14 seconds. Virtually everyone would have known about this eclipse, it having crossed populated regions in dry summer months.

6 BC Apr 29 Ring of Fire Thursday (Saros 67) Africa, crossing northern ancient Nubia just south of modern Egypt border, annularity path comes very near Mecca, ends just after crossing Arabia.

6 BC Oct 23 Total Saturday (Saros 72) 177 days later, total eclipse begins in Libya, crosses Egypt, intersects last eclipse in Nubia, and heads out into the Indian Ocean to die in the heart of Australia.

2BC Feb 15 Total Saturday (Saros 69) Seven Eclipse years exactly after the 9 BC eclipse, another Saturday Hepton from Africa to Arabia. Eclipse actually begins in South America directly over modern Rio De Janeiro, crosses Atlantic and Africa to exit after perfectly bisecting Ethiopia. Crosses southern Arabia and dying just before the Himalayas in northern India.

3 of these occur on Saturday. The people of Jesus time would have experienced three Sabbath Day partial solar eclipses, two of them likely very noticeable.



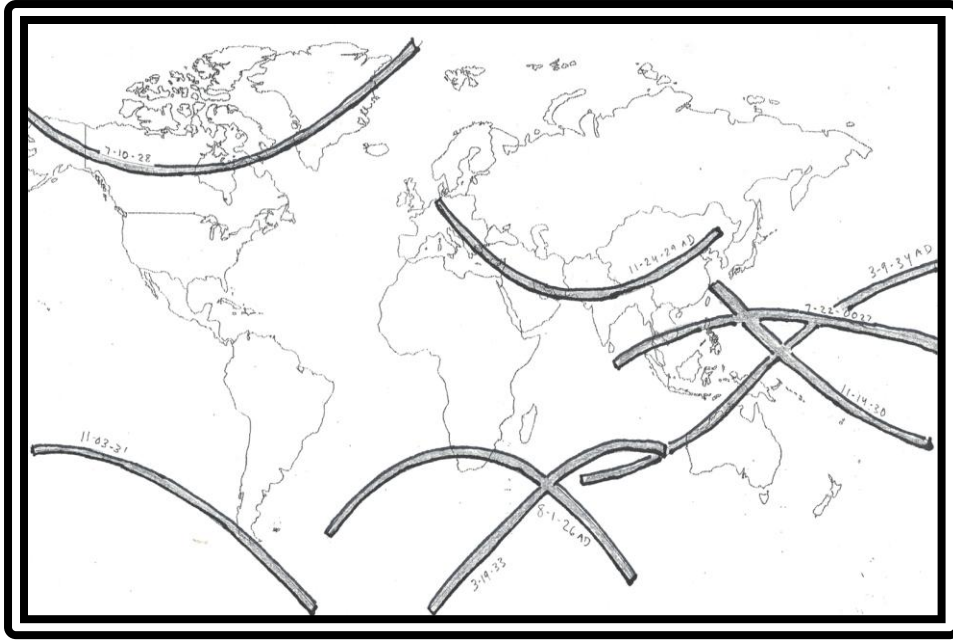
Jesus Youth to Early Adulthood 5 AD to 20 AD

5 AD Sep 22 Ring of Fire Thursday (Saros 73) This ring of fire would likely have 60% or less coverage of sun in Palestine, but probably have been noticeable. Jesus would be anywhere from 6 to 11 years old. Also notable that it occurs on equinox. Path from modern Sudan to Australia.

17 AD Feb 15 Hybrid Wednesday (Saros 79) First complete eclipse in region in 12 years. Up to 70% coverage where Jesus lived. He would be a young man anywhere from 18 to 23 years old. Path travels North Africa, Libya, across Greece. Crosses modern Ukraine and Russia. Totality in modern Odessa. Saros 79 returns to Greece in AD 71 on the Spring Equinox after the Jewish Temple is destroyed.

19 AD Jun 21 Total Friday (Saros 66) Summer Solstice. A tremendous path that crosses 20 modern countries. Perhaps around 50 or 60 percent coverage in Holy Land. Modern England, Germany, Russia, Iran etc... in path. Ends at sunset at eastern edge of Indian subcontinent over ancient city of Bhubaneswar or "*Lord of the Three Worlds*", referring to Shiva.

20 Dec 3 AD Hybrid Thursday (Saros 81) This eclipse had good coverage in Palestine, perhaps 70%. Path travels across Arabia, splitting the distance between Medina and Mecca, into Persia.



Jesus Ministry and Death 26 to 34 AD

Seen above, eight total eclipses from 26 AD to the spring of 34 AD. Though a couple of cool visual patterns appear, none of these eclipses were visible in Palestine except 29 AD Nov 24 Total eclipse.

We see an apparent Aleph and Tav in the southern hemisphere.

29 AD Nov 24 Total Jesus Ministry Eclipse Saturday (Saros 62) This would have been the most impressive eclipse in the Holy Land in many decades, perhaps even surpassing the 9 BC eclipse in percentage of coverage in Jerusalem, which saw maybe 90% eclipse. Path of Totality begins in Europe -crosses Berlin and site of Auschwitz in Poland. Path over Syria, Jordan, Iraq and Arabia. This would have been a noticeable Sabbath day event, and if traditional dating is accepted, occurred around the time John the Baptist's and Jesus' ministry began.

Bottom Middle of map shows **26 AD Aug 1 and 33 AD Mar 19** Hepton Cross with apex in lower Indian Ocean south of Africa. They are each 2001 years (plus one day) away from the Hepton Cross over Egypt which occurs Aug 2 2027 and Mar 20 2034.

33 AD Mar 19 Total Solar Eclipse Friday

This is the solar eclipse that occurs closest to Passover in the years of Jesus Ministry. It would not have been visible from any populated area. It touches no land except a tiny portion of Antarctica. It appears in the map as part of the Hepton Cross over the southern Indian Ocean. Occurring the day before Spring Equinox, it is partnered with the famous partial Blood Moon Eclipse that rose fourteen days later on April 3 33 AD, the traditional date of Jesus Crucifixion. If that traditional date is accepted, this solar eclipse occurred two weeks before the Crucifixion, on the last new moon of Jesus's life.

The Mar 19 33 AD eclipse is 2000 years minus 11 days from the Bering Strait Eclipse of Mar 30 2033 and 2001 years minus one day from the Great Civilization Eclipse of Mar 20 2034.

All Total Lunar Eclipses during Life of Jesus

Lunar eclipses were seen as omens for the Jewish people. Here are all total lunar eclipses visible in the Holy Land during the time frame of Jesus' life. (There were none in 6 BC or 5 BC)

04 BC Mar 23
04 BC Sep 15
01 AD Jan 10
03 AD May 4
03 AD Oct 29
07 AD Feb 20
07 AD Aug 17
10 AD Dec 10
11 AD Jun 4

Then: Blood Moon Tetrads of 13 and 14 AD same month and day as 2013 and 2014 :

13 AD Apr 14 Passover—weak partial not visible from Jerusalem- corresponds to 2014 Blood Moon

13 AD Oct 7 Tabernacles—weak partial not visible from Jerusalem corresponds to 2015 Blood Moon

14 AD Apr 4 (Blood Moon Passover)—Total: visible from Holy land compare to 2015 Blood Moon

14 AD Sep 27 (Blood Moon Tabernacles)Total: visible from Holy land -compare to 2015 Blood Moon

(Now continuing total lunars visible from Israel)

18 AD Jul 16
21 AD May 15
21 AD Nov 8
22 AD May 4
25 AD Mar 3
28 AD Dec 20
29 AD Jun 14 (this Total Lunar Eclipse occurs 5 months before Great Solar Eclipse of Nov 24 29 AD. There seems a high potential these eclipses taken together could have been considered important signs. They accompany traditional dates of the ministry of Jesus and John the Baptist)

More Blood Moon Tetrads—same day and month and holiday as 2033 and 2034 Tetrads:

32 AD Apr 14 Total not visible from Jerusalem- Blood Moon Passover

32 AD Oct 7 Total barely visible from Jerusalem- Blood Moon Tabernacles

33 AD Apr 3 partial at moonrise visible from Jerusalem Passover-traditional Crucifixion date

33 AD Sep 27 Strong partial/ almost total visible from Jerusalem on Feast of Tabernacles

There were 18 total lunar eclipses visible from Jerusalem between 6 BC and 34 AD. All Blood

Moons on Passover and Feast of Tabernacles are exactly 2001 years to the day from our current Blood Moons.

The Passover/Feast of Tabernacles Blood Moon Metonic occurred once more in 51 AD on Apr 15 and Oct 8 with two partial eclipses. After 51 AD the lunar eclipse Metonic moved on.

We now compare eclipse dates to find we are in the same Metonic cycle, with the same hands pointed to the same numbers on the same cosmic clock, as the one that occurred at the Crucifixion of Jesus Christ. Eclipses occur on essentially the same days 2001 years apart. First the Lunar evidence:

Blood Moon Tetrads: This Metonic Return is distinguished by lunar eclipses on both Passover and Feast of Tabernacles, two important Jewish holidays linked to the full moon.

Two lunar eclipses of 13 AD (Apr 14 and Oct 7) mirrored in two eclipses of 2014 (Apr 14 and Oct 7).

Two lunar eclipses of 14 AD (Apr 04 and Sep 27) mirrored in two eclipses of 2015 (Apr 04 and Sep 27).

And then, 19 years later:

Two lunar eclipses of 32 AD (Apr 14 and Oct 7) mirrored in two eclipses of 2033 (Apr 14 and Oct 7).

Two lunar eclipses of 33 AD (Apr 3 and Sep 27) mirrored in two eclipses of 2034 (Apr 3 and Sep 27).

These dates are on Passover and Feast of Tabernacles, the High Holy Days of Judaism.

We live in the same cosmic alignment of sun and moon in the same Roman Calendar Time that occurred 2001 years ago. The 2,000 year anniversary of the Crucifixion and Resurrection of Jesus Christ is clearly a big enough deal that the Creator of all things marked it to resonate between our time and his.

Solar Eclipses on the Spring Equinox. The traditional crucifixion date is Apr 3 33 AD. There was a Spring Equinox (Eve) Eclipse of Mar 19/20 33 AD.

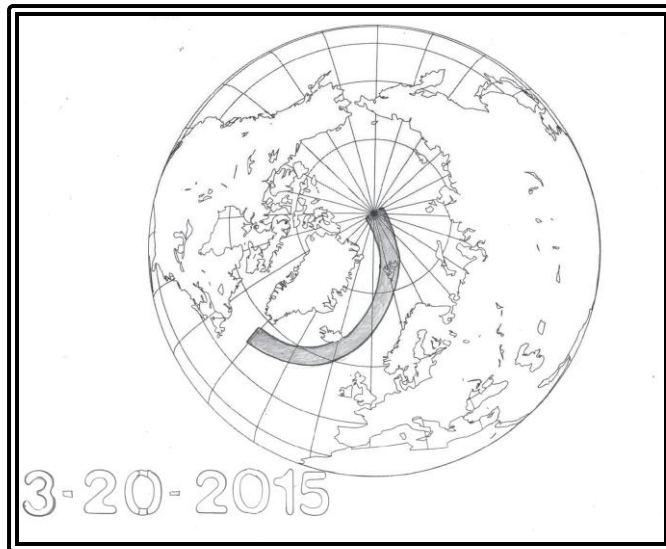
2001 years later we have an eclipse on Spring Equinox Mar 20 2034.

Both Equinox solar eclipses 2001 years apart are accompanied by Lunar Tetrads on High Holy Days.

Apocalypse Then? Preachers announced Lunar Tetrads which announced Solar Equinox Metonic

In 2014, several apocalyptic preachers and Rabbis made news by commenting on the so-called "Blood Moon Tetrads", sets of four total lunar eclipses occurring on successive years (2014 and 2015) precisely on the Jewish High Holy Days of Passover and Feast of Tabernacles.

Only four such Tetrads occurred in the last 600 years:



- **1493 and 1494** Blood Moon High Holy Day Total Tetrad occurred following expulsion of the Jews from Spain in 1492 and “discovery” of the New World by Columbus.

- **1949 and 1950** Blood Moon High Holy Day Total Tetrad occurred following 1948 declaration of Jewish state. The first eclipse happened April 12/13, one month after hostilities ceased.

- **1967 and 1968** Blood Moon Total Tetrad occurred around the 1967 “Six Day War,” where Israel took city of Jerusalem

for the first time in almost exactly 2000 eclipse years. The first eclipse happened April 24, or about six weeks before the war began.

- **2014 and 2015** Blood Moon Total Tetrads on High Holy Days

The so-called "Blood Moon " Tetrad of 2014 and 2015 brought successive total lunar eclipses on the high holy days of Judaism. Passover (April 15) and Feast of Tabernacles (October 8) in 2014 and again Passover (April 4) and Feast of Tabernacles (Sept 28) in 2015. Nestled between these events was an extraordinary **Spring Equinox Mar 20 2015 Solar Eclipse (left)** which ended directly at the North Pole. It is unclear whether any eclipse in history has ever done such a thing.

2032 and 2033 has a Total Tetrad, with four total lunar eclipses. 2032 is not on holy days. 2033 is.

2033 and 2034 is a High Holy Day Tetrad, and eclipses are total in 2033 but not in year 2034.

Why is the 2,000th Anniversary of Jesus a big deal?

The 2,000 anniversary of the Crucifixion/Resurrection is important for three reasons. Upon reflection, there appear symmetries in History and especially in Biblical history. There is a common instinctive urge towards the recognition of anniversary. The importance of symmetry and anniversary are both physically reflected in eclipse cycles. Eclipses appear to reach a maximum expression of symmetry and peculiarity around the current time.

“Dearly beloved, do not be ignorant of this one thing: that one day is as a thousand years with

the Lord, and a thousand years as one day.”

2 Peter 3:8

“A thousand years in your sight are like a day that has just gone by.”

Psalms 90-4

Millennial symmetry in eclipses provide a symbol of Jesus’ death, crucifixion, and resurrection. Jesus apparently slept in the ground two days and rose early on the third. Two thousand years of his absence ends with a rising Son. The idea of a thousand-year reign of Jesus (Millennium) is definitively presented in The Book of Revelation, the last book of the New Testament.

‘Then I saw an angel descending from heaven, holding in his hand the key to the abyss and a huge chain. He seized the dragon—the ancient serpent, who is the devil and Satan—and tied him up for a thousand years. The angel then threw him into the abyss and locked and sealed it so that he could not deceive the nations until the one thousand years were finished... I also saw the souls of those who had been beheaded because of the testimony about Jesus and because of the word of God. These had not worshiped the beast or his image and had refused to receive his mark on their forehead or hand. They came to life and reigned with Christ for a thousand years.’

-Rev. 20: 1-5

Signs of the Times:

The final beast system has arrived and is pushing free will to its ultimate limit with technological tyranny. This is happening far faster than anyone supposed. There can be no story without free will.

Do we live in the same Cosmic Arrangement as Jesus? Well, Lunar, solar and eclipse calendars are all lined up the same. Proof? Below are four 19-year periods in history with almost identical matching Eclipse dates. All 42 of our current 2014 to 2034 solar eclipse dates are listed on left.

The Jesus Metonic of 14 to 35 AD is beside it directly on right.

18 days are exact matches. 12 are one day ahead. 10 are one day behind and two dates have no match. I cannot imagine a closer match for such a flexible phenomenon as a single calendar day separated by 2000 years.

Here are four moments in history when solar eclipses lined up.

<u>2015 to 2034</u>	<u>14 to 33 AD</u>	<u>554 to 573 AD</u>	<u>488 to 469 BC</u>
2015 Mar 20	0014 Mar 19	0553 Mar 19	-468 Mar 19
2015 Sep 13	0014 Sep 13	0554 Sep 12	-469 Sep 12
2016 Mar 9	0015 Mar 9	0555 Mar 09	-487 Mar 09
2016 Sep 01	0015 Sep 2	0555 Sep 01	-487 Sep 01
2017 Feb 26	0016 Feb 26	0556 Feb 26	-486 Feb 26
2017 Aug 21	0016 Aug 21	0556 Aug 21	-486 Aug 21
2018 Feb 15	0017 Feb 15	0565 Feb 16	-485 Feb 15
2018 Aug 11	0017 Aug 10	0565 Aug 11	-477 Aug 12
2019 Jan 06	0018 Jan 06	0558 Jan 05	-484 Jan 06
2019 Jul 02	0018 Jul 01	0558 Jul 01	-484 Jul 01
2019 Dec 26	0018 Dec 26	0558 Dec 25	-484 Dec 25
2020 June 21	0019 Jun 21	0559 June 21	-483 Jun 21
2020 Dec 14	0019 Dec 15/14	0559 Dec 14	-483 Dec 15/14
2021 Jun 10	0020 Jun 10	0568 Jun 11	-482 Jun 10
2021 Dec 4	0020 Dec 03	0568 Dec 04	-482 Dec 04
2022 Apr 30		0561 Apr 30	-481 Apr 30
2022 Oct 25	0021 Oct 24	0561 Oct 24	
2023 Apr 20	0022 Apr 19	0562 Apr 19	-480 Apr 19
2023 Oct 14	0022 Oct 14	0562 Oct 14	-480 Oct 14
2024 April 08	0023 Apr 09	0563 Apr 08	-479 Apr 9/8
2024 Oct 02	0023 Oct 03	0563 Oct 3	-479 Oct 02
2025 Mar 29	0024 Mar 28	0572 Mar 29	
2025 Sep 21	0024 Sep 21	0564 Sep 21	
2026 Feb 17	0025 Feb 16	0565 Feb 16	-477 Feb 17
2026 Aug 12	0025 Aug 12	0565 Aug 11	-477 Aug 12
2027 Feb 06	0026 Feb 05	0566 Feb 06	-476 Feb 06
2027 Aug 02	0026 Aug 01	0566 Aug 01	-476 Aug 0
2028 Jan 26	0027 Jan 27	0567 Jan 26	-475 Jan 25
2028 Jul 22	0027 Jul 22	0567 Jul 22	-475 Jul 22
2029 Jan 14	0029 Jan 15	0568 Jan 15	-474 Jan 14
2029 Jun 12		0568 Jun 11	
2029 Jul 11	0028 Jul 10		-474 Jul 11
2030 Jun 01	0029 Jun 01	0569 May 31	-473 Jun 01
2030 Nov 25	0029 Nov 24	0569 Nov 24	-473 Nov 25
2031 May 21	0030 May 21	0570 May 20	-472 May 20
2031 Nov 14	0020 Nov 14	0570 Nov 13	-472 Nov 14
2032 May 9	0031 May 10	0571 May 09	-471 May 09

2032 Nov 03	0031 Nov 03	0571 Nov 3	-471 Nov 3
2033 Mar 30	0032 Mar 29	0572 Mar 29	-478 Mar 29
2033 Sep 23	0032 Sep 23	0572 Sep 23	-470 Sep 23
2034 Mar 20	0033 Mar 19	0573 Mar 19	-469 Mar 20

The Metonic Clock returns to the same alignment about every 400 to 500 years. As the Gregorian Calendar “straightened out” the solar year by correcting leap years more accurately, it appears a “truer” clock has been revealed at 391 but there is the reality of orbits etc... Even calendar time is at the mercy of perception.

You can get a feel for this repetition by following a certain date. How about Christmas?

The Christmas Metonic

Focus: The Gregorian Calendar Change

The Gregorian Calendar was instituted by Pope Gregory in 1582, to replace the Julian Calendar, which had fallen behind the actual Equinoxes. The Gregorian “fixed” the Calendar by jumping ahead 11 days from October 4 to Oct 15 1582, a span very close to a perfect Metonic week (which is 11.33 days).

It so happened that the second to last eclipse before this change was on Christmas, Dec 25 1581.

In normal years we might expect to have a Dec 14 eclipse in 1582 one lunar year later. But because of the 11 day leap, instead there is a second Christmas, on Dec 25 1582.

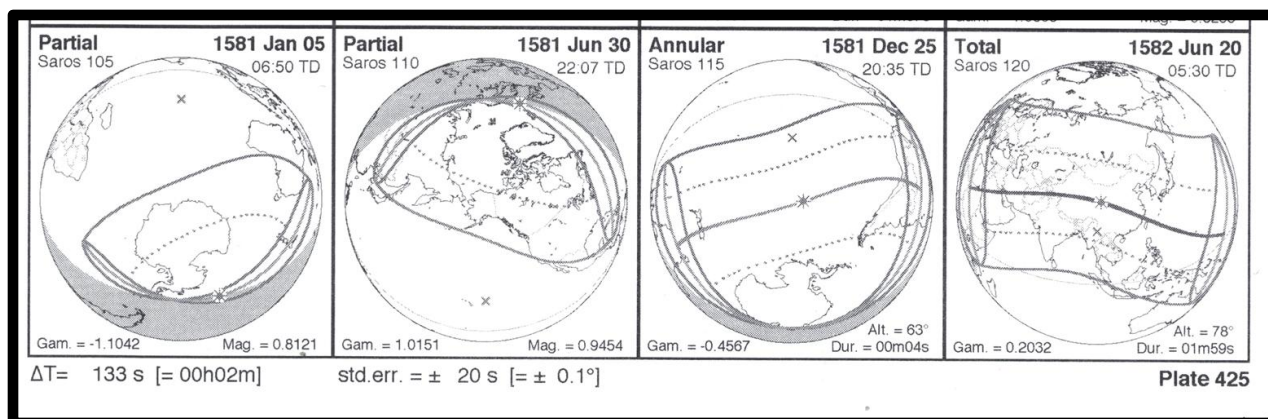
Thus, somewhat amazingly, the only eclipse date to appear two calendar years in a row in human history was Christmas. It happened in 1581 and 1582.

What's funnier is that the second of these Christmas Eclipses, in 1582, actually crossed tiny Christmas Island in Indonesia. No kidding.

Time between the Christmas Eclipses of 1666 and the next Christmas Eclipse of 1935 is only 269 years. a far shorter span compared to all previous seemingly because of the new Calendar reset in 1582.

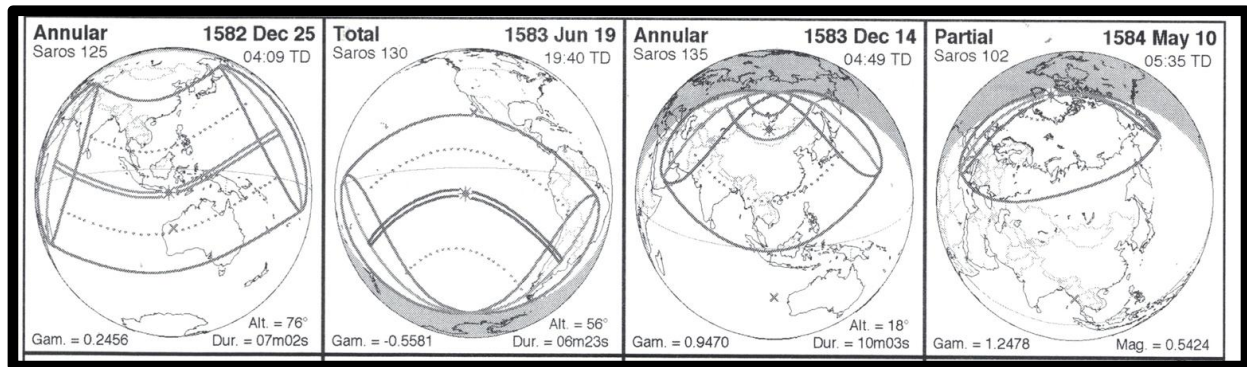
Gregorian Calendar Change

Two Christmas Eclipses in a Row..first in 1581 (second from right)



(Maps courtesy of NASA/ Fred Espenak and Jean Meuss.)

The next year, Gregorian Calendar jumps 11 days...so we have: on



left)

(Maps courtesy of NASA/ Fred Espenak and Jean Meuss.)

The one above in 1582 happens over Christmas Island. Fun!

VII. The Final World Empire:

This is the world we live in. Look around. Christmas Eclipses rolling around again.

Christmas Eclipses on:

Dec 25 1935 (Ring of Fire Antarctica)

Dec 25 1954 (Ring of Fire South Africa)

Dec 25 2000: Officially, this was the last eclipse of the second millennium, occurring on Christmas as a partial over North America—23% at Mount Saint Helens. 44.44% at NYC, 40% at Washington DC, 23.00% at Dallas, 47% at Kennebunkport, Maine,

Dec 25/26 2038: Starts over Australia and New Zealand on Dec 26, then crosses the International date line to end on Christmas Dec 25 in the south Pacific.

Dec 25/ 26 2057: Antarctica beginning on Christmas and ending on December 26th.

Roman Empire Millennium Metonic:

Xmas eclipses on:

Dec 25 66 BC (partial then 19 year lapse)

Dec 25 47 BC (ring of fire then 46 years)

Dec 25/26 1 BC (partial -then 19 years)

Dec 26 18 AD (ring of fire then 19 years)

Dec 25 37 AD (ring of Fire then 19 years)

Dec 25 56 AD (Total)

Modern World Empire Metonic:

Dec 25 1935 (Ring of fire then 19 year)

Dec 25 1954 Ring of Fire then 46 years)

Dec 25 2000: (partial the 19 years)

Dec 26 2019 (Ring of fire then 19 years)

Dec 25/26 2038: (ring of Fire then 19 years)

Dec 25/ 26 2057: (Total)

The short eclipse summary above is essentially proof that we live in the same sun/moon calendar alignment as occurred around the time of Jesus Christ.

66 BC to 56 AD Covers total span of 122 years, the maximum for any recurring date on the eclipse Metonic. From 1935 to 2057 is span of 122 years, the maximum for any recurring date on Metonic.

Summary: There is an obvious symmetry to the Christmas eclipses around the birth and death of Jesus and around the 2,000th anniversary of that event which we are living through. Each of these cycles provides a total of 5 eclipses over the course of 122 years. The middle (3rd) eclipse in both groupings is partial. Both of these partials occur at the turn of a millennium.

The eclipses are also spaced identical distances apart in years...19, 46, 19, 19.19

Except for the first eclipse in each group, even the *type* of eclipses are the same.

66BC to 56 AD— partial, annular, partial, annular, annular, total.

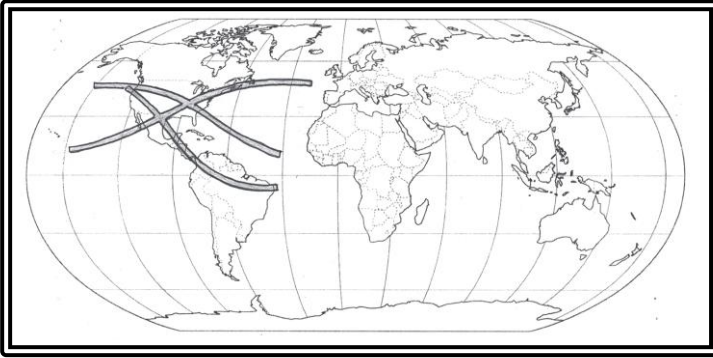
1935 to 2057 AD-annular, annular, partial, annular, annular, total.

The Christmas eclipse of 37 AD and the Christmas Eclipse of 1954 both crossed South Africa.

If the Crucifixion was 33 AD, then it occurred 99 years after 66 BC, the first Christmas eclipse in the Jesus Eclipse cluster. 99 years from the first 20th Century Christmas eclipse (1934) brings you to 2033.

If you believe Jesus died at 33 years of age in 33 AD, then the year he was born in 2 BC had a solar eclipse on Christmas. If we begin Western Imperial History at around 1500 BC, we live in a seventh empire as determined by approximate 500 Cosmic Year time frames, defined by repetitive intersections of solar, lunar and draconic calendars. We appear to be living in a cosmic mirror of the time around the Life of Jesus Christ. But it's not quite a mirror. It's more like a clock, or a story.

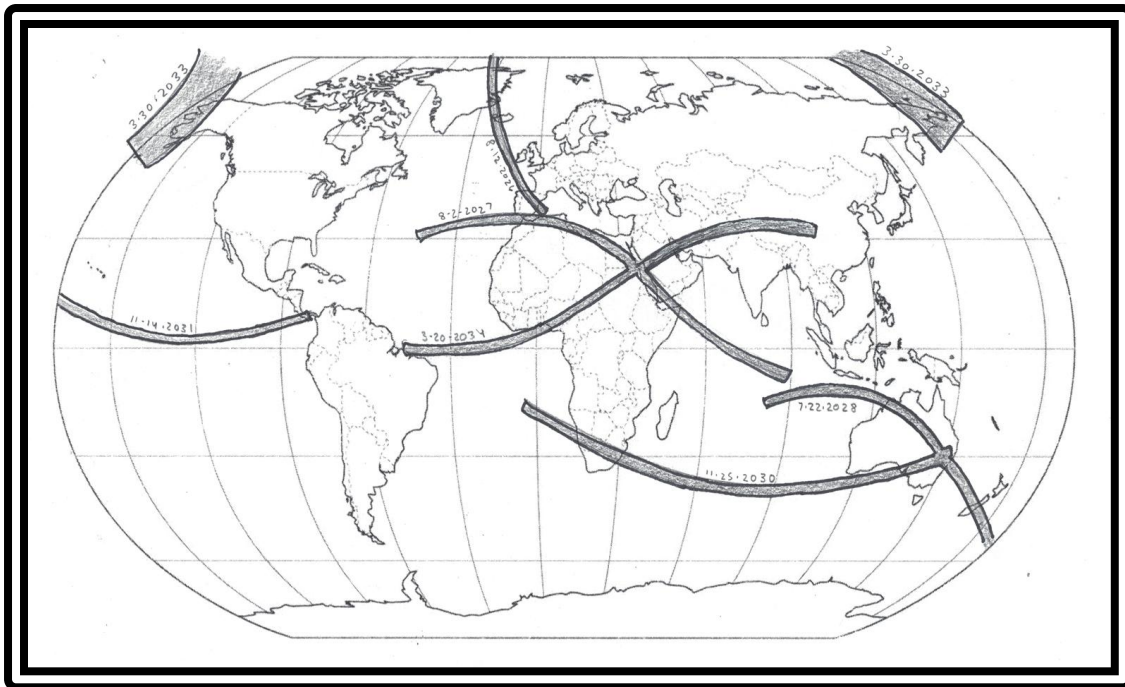
Again, four of our most important days of human civilization are shared between the Jesus Metonic and our current day. Spring Equinox, Fall Equinox, Summer Solstice and Christmas.

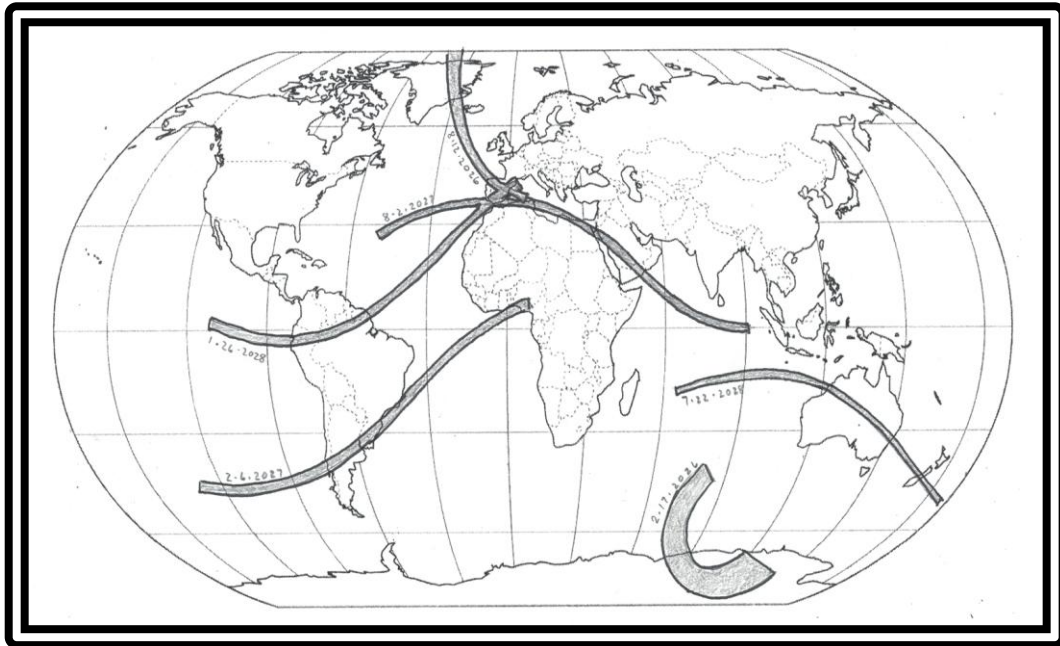


The 2000th Jesus Anniversary Eclipses Here in Our Modern World

First, another quick look (left) at the American Aleph of 2017 to 2024, which is centered on North America and the USA. It is 2000 years removed from Jesus early adulthood.

Below are all total solar eclipses from 2026 to 2034 (no ring of fires pictured)





Solar Eclipses 2026 to 2028—The 2000th Anniversary of 26 to 28 AD

Few argue for a 26 AD Crucifixion dating. But 26 AD is a good place to start, as it was established by historic authorities as the beginning of Governorship of Judea by Pontius Pilate. Also, as there are no solar eclipses in 2025, the clean break from the 2024 USA Eclipse allows for coherent assessment.

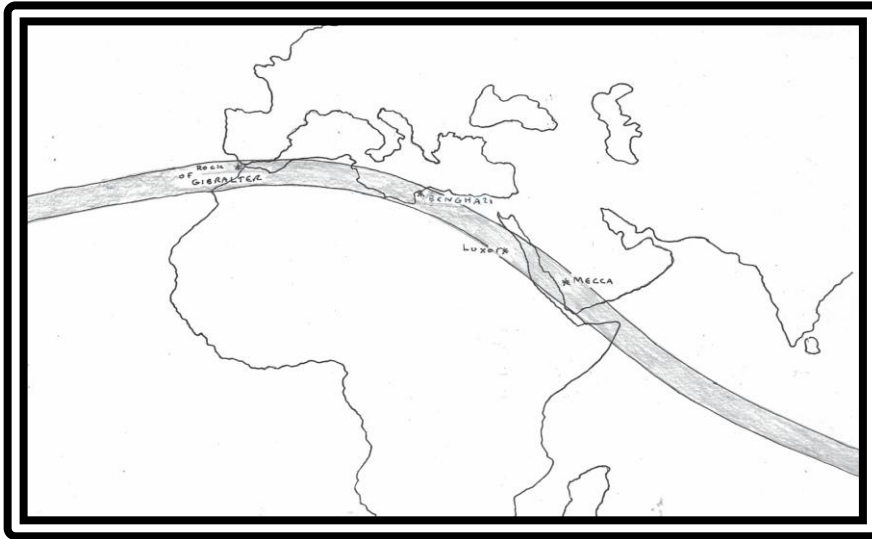
Some argue for a Thursday Apr 10 27 AD Crucifixion Date, and some hold to a 28 AD event.

Aug 12 2026 Spain/Reykjavik Total (Saros 126) After 112 years without a Total eclipse, this is Spain's first of 3 complete eclipses in 18 months, two of them totals. 500 years after Spain began the African Slave Trade to the New World in 1526. Eclipse occurs 128 years to the day of the peace treaty that ended the Spanish-American War on Aug 12 1898, basically ending the 600 year Spanish Empire. The extraordinary path of totality avoids almost all human populations, curling around the British Isles—91% coverage in London, 92% in Paris. The only other nation to experience totality besides Spain is Iceland, and amazingly that occurs only on the bare sliver of western coast that includes its capital of Reykjavik (whose metro area contains 60% of Iceland's population).

Feb 6 2027 Slave Coast Eclipse Ring of Fire (Saros 131)

Less than 6 months after Spanish Judgment of Aug 12 2026, Ring of Fire Eclipse. Judgment Eclipse. Again, still 500th Anniversary Year of the importation of African slaves to South America in 1526, the eclipse path traces backwards the maritime routes followed from slave traders from South America to the "Slave Coast" of Africa -Benin, Ghana and Nigeria--ending over notorious port of Porto-Novo in Benin, one of the centers of the Slave Trade. Annularity just offshore of Rio De Janeiro, the largest slave port in the history of the world.

Valley of the Kings Aug 2 2027



August 2nd 2027 Valley of the Kings Total Eclipse (Saros 136)

Hepton Cycle Monday Eclipse. 355 days (Exactly one lunar year) after Spanish Total Eclipse.

1211 days after USA second line of Cross.

3633 days (exactly 10.5 eclipse years) from Great American Eclipse of Aug 21 2017.

2422 days (7 eclipse years) from its own coming Cross, Spring Equinox Eclipse of Mar 20 2034.

Straddling the straits of Gibraltar-Europe experiences totality simultaneously with Africa. Totality in Spain, Rock of Gibraltar, Tangier, Tripoli. Path over Egypt along the Nile bringing maximum eclipse to the Valley of the Kings in Luxor, the metropolis of the sun gods, the necropolis of the Pharaohs. Crosses into Arabia--including totality in Mecca, exiting into Gulf of Oman through Yemen, and passing over the Horn of Africa before ceasing in the southernmost Maldives in the Indian ocean. 83% coverage in Jerusalem. If you were going to bet on a judgment eclipse... This will be the longest duration total eclipse for the rest of the 21st Century at 6 minutes 22 seconds. The great Saros Cycle 136, whose last appearance was Wuhan July 22 2009. Maximum at the Valley of the Kings, the spiritual heart of the mystery religions.

Jan 26 2028 Amazon to Spain Ring of Fire (Saros 141) Pictured Previous Page

Amazon, Spain and Portugal. Spain's 3rd eclipse in 18 months. Across the Amazon of South America, including Brazil. Eclipse crosses Atlantic, entering Portugal at Sagres ("holy"). Annularity just south of Lisbon. Like 2026, path ends just beyond border of Spain, at border of France. Occurs on "Australia Day", Australia's national holiday. See the next eclipse in series 177 days later.

Jul 22 2028 Australia/New Zealand Total (Saros 146) Pictured Previous Page

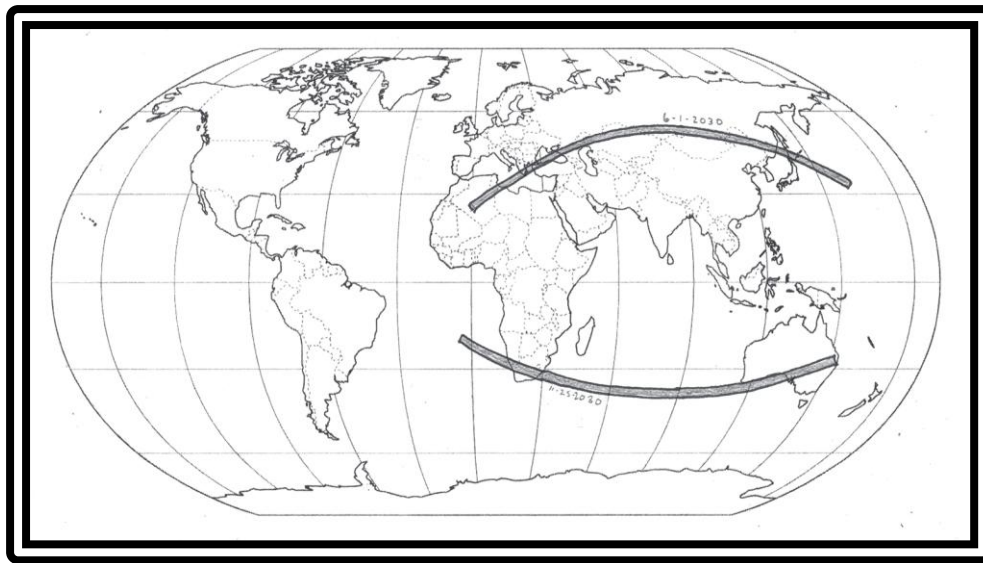
177 days after Australia Day Eclipse, Australia is bisected with totality in Sydney and Botany Bay, where the first prisoners were brought to colonize the continent 240 years and 177 days earlier, in 1788. One lunar year from the Mideast Eclipse of 2027. 19 solar years exactly after Wuhan Total eclipse of Jul 22 2009. Also crosses southern island of New Zealand, exiting over city of Dunedin.

2029-Only PARTIALS AND LUNAR ECLIPSES

Some have suggested a **March 23 29 AD** Crucifixion/Resurrection, including H. Grattan Guinness though today this is among the least popular dates. 2029 brings the 2000th Anniversary of the tremendous Nov 24 29 AD Total solar eclipse, which would have been seen throughout the Holy Land (90% and more) and the Roman Empire. **2029 only has** Partial Solar eclipses:

January 14th 2029 (the eve of what would have been Martin Luther King's 100th birthday-Jan 15 1929)--visible only in North America—also June 12 2029, July 11 2029 and December 5 2029

Then comes 2030



2030--TWO GREAT HEPTON ECLIPSES

2000th anniversary of possible Crucifixion to Friday, April 7th 30 AD, among the most popular dates for the Crucifixion. Two great eclipses form a symmetrical cup in the north and south of the eastern hemisphere. Both are Hepton Eclipses, one from each of the two series.

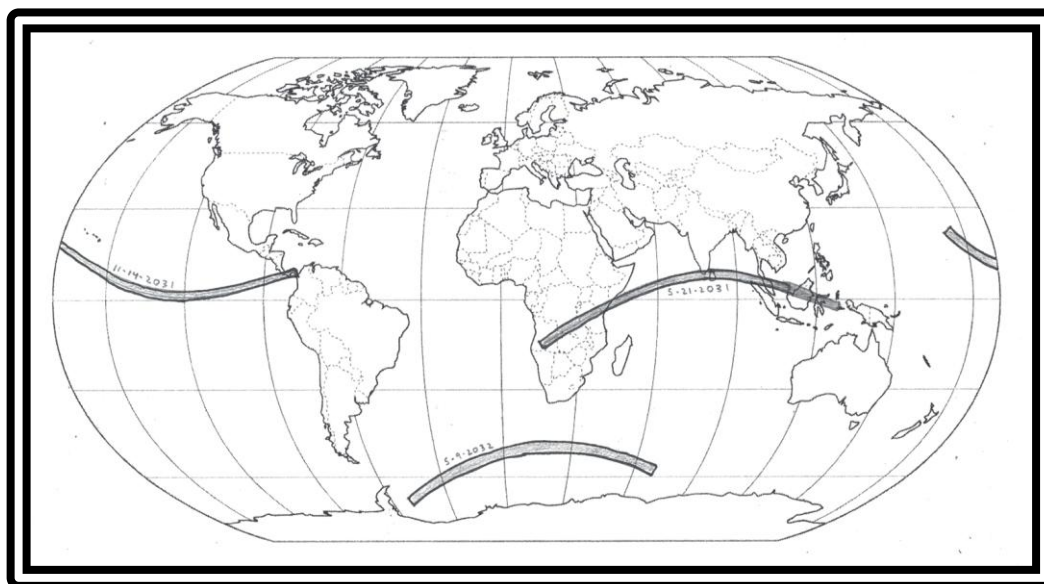
Jun 1 2030 Athens/Constantinople Ring of Fire

Ring of Fire. An extraordinary path beginning in Algeria and ending in Japan. Great cities along the path include Tripoli, Athens, Istanbul (Constantinople), Sevastopol, Volgograd and Sapporo. Ring of Fire. Judgment Eclipse. Another extraordinary path beginning in Algeria and ending in Japan. 63% in Jerusalem. 32% in Wuhan.

Nov 25 2030 South Africa to Australia--British Empire Empire

Total Solar Eclipse. Hepton Cycle Monday Eclipse. 1211 days from Aug 2 2027 Mideast Eclipse. 2422 days from USA 4-8-2024 eclipse. Creating an extraordinary cup of empire (see all land masses to north of eclipse). Almost all open ocean yet crossing South Africa and completing Tav over Australia. Totality in Durban, South Africa. reaching almost to Brisbane and the Gold Coast in Australia.

2031 and 2032



(Above) 2031 and 2032

Seventh Day Adventists and others hold to the date of an Apr 25 31 AD Crucifixion.

May 21 2031—Africa to Malay/Dar Es Salaam Ring of Fire (Saros 138)

Across the middle of Africa, from Angola, exiting over Dar Es Saalam (place of peace) in Tanzania. Crosses Indian Ocean and extreme southern India, then Sri Lanka, again tracing 2004 tsunami path backwards towards Indonesia. Totality in Ernakulum ("the abode of Lord Shiva") and Jaffna, Sri Lanka. Just north of Kuala Lumpur.

Nov 14 2031- Isthmus of the Continents of Western Hemisphere.(Saros 143)

An open ocean eclipse that touches virtually no land ending with totality at sunset over the most extraordinary land bridge on planet earth, the Isthmus of Panama. The Isthmus separates North and South America by a thin strip only 50 miles wide. Incredibly, the next total eclipse (3-30-2033) will straddle the Bering Strait.

Two total eclipses in a row connect hemispheres of earth while touching very little land.

2032---ONE RING OF FIRE and Two Blood Moons Visible from Jerusalem

Based on a possible April 14 32 AD Crucifixion date. Many argue for the 32 AD Crucifixion based on math from the Bible's Book of Daniel. There was a total lunar eclipse on Passover April 14 32 AD not visible from Jerusalem. **Blood Moons In 2032:** there are two Total Blood Moons (April 25 and October 18). They don't land on the High Holy Days, but they are both visible from Jerusalem. Combined with the April 14 2033 Eclipse, that makes three straight Total Lunar Eclipses in a single year and a half that are visible from Jerusalem.

April 14 in History:

A Total Lunar Eclipse occurred at Passover Apr 14 32 AD, but it was not visible from Jerusalem. A Total Lunar eclipse occurs exactly 2,001 years later April 14 in 2033, and it is visible from Jerusalem.

A look at dates in relation to the Passover 32 AD Lunar Eclipse and Possible Crucifixion

- 1) The atom was first split in Cambridge, England on Apr 14 1932, exactly 1900 solar years after the eclipse.
- 2) Passover 32 AD Eclipse occurred 1833 years before Lincoln shot on Apr 14 1865.
- 3) Passover 32 AD Eclipse occurred exactly 1890 years before Titanic hits iceberg.
- 4) Passover 32 AD Eclipse occurred exactly 2040 (2040.0236) eclipse years before Martin Luther King killed on Apr 4 1968.

(These four events are four of the most important events in modern history, metaphorically.)

- 5) Passover 32 AD is exactly 2000 years minus 11 days from Apr 25 2032 Total lunar eclipse over Jerusalem.
- 6) Passover 32 AD is exactly 2001 years to the day from Apr 14 2033 total lunar eclipse on Passover in Jerusalem rising at sunset.

There is one complete solar eclipse in 2032, pictured on previous page. It is:

May 9 2032 Ring of Fire (Saros 148) A ring of fire eclipse with a path that reaches no land lurks deep in the southern hemisphere in the Antarctic Ocean.

ALSO IN 2032

Partial Solar Eclipse **11-3-2032 (Saros 153)** A partial solar eclipse in November visible from Asia. No coverage in Jerusalem.

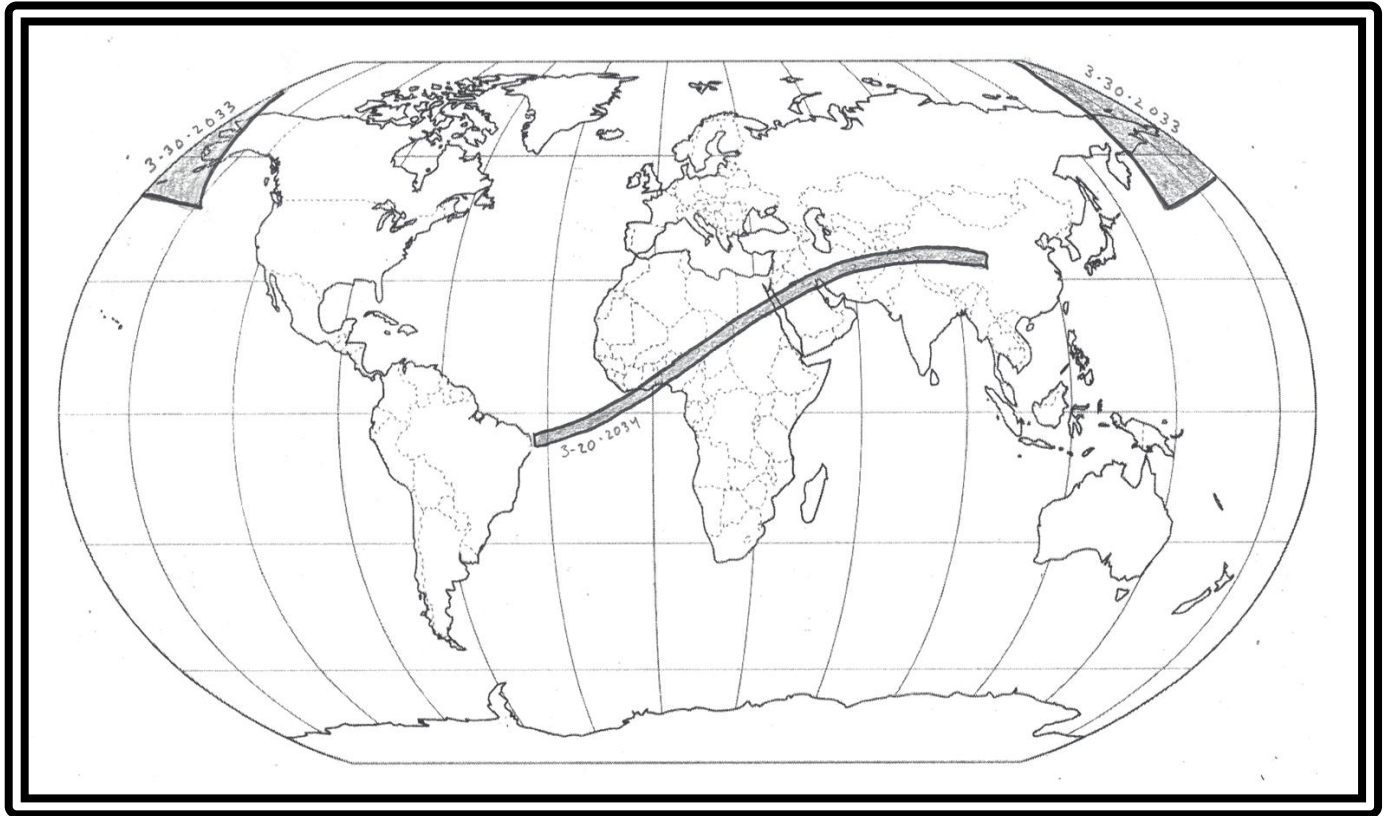
Transit of Mercury: There is also a transit of the planet Mercury across the face of the Sun on November 12/13 2032 This will be the first Mercury transit since Nov 11 2019, just as pandemic began in China (101 years after Armistice Day 1918). 13 years is about the longest time between Mercury Transits that can occur. Transits of Mercury occur about 13 times a century.

Again, there will be:

Total Lunar Eclipse –April 25, 2032—rises at sunset in Jerusalem.

Total Lunar eclipse- October 18, 2032—rises in later evening in Jerusalem.

2033 and 2034 Total Eclipses



2033 and 2034 Total Eclipses

Two total eclipses occur on earth between late 2031 and early 2035, making them unique in their isolation. They are also the only total eclipses which occur around the most likely 2,000th Anniversary of the death and resurrection of Jesus Christ. They are pictured above.

The March 30 2033 Total Eclipse is the only one in our entire survey like it. It covers the Bering Strait, straddles both hemispheres and the International Date Line with an eclipse path maybe a couple of hundred miles wide.

The March 20 2034 Total eclipse happens exactly one lunar year later, the second half of the Monday Hepton Cross whose peculiarity began this book. Maximum Eclipse of this eclipse occurs in a desert region over north-central Chad in Africa. The distance from this maximum point to the Bering Strait is remarkably similar in both directions. If you travel northwest, it is roughly 7800 miles (12,600 km) to the Bering Strait. If you travel Northeast, it is roughly 7100 miles to the Bering Strait.

In other words, the illustration above is just as symmetrical as it looks.

Remember that 2032 and 2033 are also home to the Lunar Blood Moon Tetrads.

March 30th 2033—Great Bering Strait Eclipse (Saros 120)

Four days before the traditional and most widely accepted 2,000th Anniversary of the death of Jesus Christ (April 3 2033), eclipse perfectly crosses the Bering Strait, giving totality to both hemispheres at the same time. It occurs at the only place this could possibly happen, with both Russia and the USA having a total eclipse simultaneously. No other nation will experience the path of totality.

The Bering Strait is credited with once having a land bridge, which allowed for the population of the Americas during the last ice age. Few towns are in the eclipse path, which is sparsely populated. Significantly, those towns include Provideniya (pop. 2,000) in Russia, which means “Providence” and Nome (pop.3600), Alaska in USA, one of the centers of the great Alaska Gold Rush of 1897 to 1907. No one is sure what the name “Nome” means.

SAROS 120

2033 is the last complete eclipse from the great Saros 120, which began the 19-year Metonic with a North Pole Eclipse mentioned before on Mar 20 2015 and which ends with the next eclipse.

List of some Great Saros 120 Eclipses with USA Relations:

1. Apr 26 1492 On Isthmus of Panama. Last Eclipse Before America discovered.
2. Jul 10 1600 America to Spain First Total of 17th Century (Cape Canaveral)
3. Jul 21 1618 Cross Country USA
4. Oct 27 1780 Revolution USA
5. Nov 30 1834 Trail of Tears USA
6. Jan 1 1889 Far West Buffalo New Years Eclipse USA
7. Jan 25 1925 NYC Roaring Twenties USA
8. Jul 20 1944 Iran to Southeast Asia -first eclipse of great Southeast Asia Swarm
9. Feb 15 1961 Iron Curtain –Europe/Russia
10. Feb 26 1979 Mount Saint Helens/ Microsoft USA
11. Mar 9 1997 USSR Judgment
12. Mar 20 2015 North Pole
13. Mar 30 2033 USA/Russia and Date Line linked at Bering Strait. Numeric oddity of 3-30-33.

Then Saros 120 ends its run of complete eclipses that began on Aug 11 1059 AD.

The Bering Strait Eclipse is one lunar year before the Equinox Eclipse of Mar 20 2034 that ends the 19 year Equinox Metonic, bringing to a close all reasonable possible 2000 year anniversaries of the Crucifixion/Resurrection. The only other solar eclipse in 2033 is a partial on Sep 23.

See if you can keep this straight: Sir Isaac Newton's calculation for the Crucifixion was Apr 23 34 AD. The great solar eclipse of 2034 occurs on Mar 20. Isaac Newton died on Mar 20 (1727). Newton was born on Christmas Day. But that was before the calendars changed in England. Now if you google it, the network often says he was born on January 4. Because It can say anything It wants to. Newton was probably the most famous Scientist/ Bible Scholar of all time.

Regardless, the 2,000th anniversary year of 34 AD is home to a great celestial phenomenon.

March 20 2034--The Great Civilization Eclipse (Saros 130)

Hepton Cycle Monday Eclipse. Second half of the Mideast Tav or Cross.
1211 days from Nov 25 2030 British Empire Eclipse.
2422 days from Mideast Aug 2 2027 eclipse.
3633 days from North America Apr 08 2024 eclipse
One lunar year from Bering Strait Eclipse.

Eclipse travels from the Coast of South America across Africa to Egypt, scraping Muhammad's tomb in Medina (almost totality) as it crosses Arabia, onward through Iran, Afghanistan, Pakistan (totality in Islamabad), India, Tibet and ending in China. Jerusalem will see 74% coverage of the sun.

This Spring Equinox Eclipse occurs 19 years after the North Pole Spring Equinox eclipse. The Spring Equinox is on or around New Year's Day for Hindu, Persian, Muslim, Zoroastrian and Bahai Calendars. The Equinox or the new or full moon nearest it was once New Year's Day for many if not virtually all ancient cultures of the Northern Hemisphere.

2033 and 2034---IMPRESSIVE PECULIARITIES

April 3rd 33 AD is the traditionally accepted date of the Crucifixion, when there was a lunar eclipse visible at moonrise in Jerusalem. As shown earlier, Total Lunar eclipses re-occur on the high holy days of Judaism in April 14th and October 8th 2033, Passover and Feast of Tabernacles, 2000 years later. Passover 2033 falls on April 14. That is 2001 years after the April 14 32 AD possible crucifixion date and 15 days after a Total Solar Eclipse on 3-30-2033 that connects both hemispheres simultaneously.

Blood Moons 2034

2034 sees the last of the Blood Moon Tetrads, with lunar eclipses on the High Holy days of Judaism completing the 19-year Metonic Reality begun with the 2014/2015 Tetrads.

A penumbral lunar eclipse arrives on the night of Passover, April 3 2034, beginning "visibility" at 7:53 pm in Jerusalem, though the shadow will be so light that it won't be noticeable. April 3 2034 is the exact 2001st anniversary of the Crucifixion of Jesus Christ, if you accept traditional

dating.

This is two weeks after the Equinox Eclipse that creates a Cross over Egypt.

There will also be a partial lunar eclipse on Feast of Tabernacles, Sep 28 2034, visible from Jerusalem.

And that's all for this work. Thank you for joining me. May God bless you all.

"There will be signs in the sun, moon and stars. On the earth, nations will be in anguish and perplexity at the roaring and tossing of the sea. People will faint from terror, apprehensive of what is coming on the world, for the heavenly bodies will be shaken. At that time they will see the Son of Man coming in a cloud with power and great glory. When these things begin to take place, stand up and lift up your heads, because your redemption is drawing near"

-The words of Jesus *Luke 21:25-28*.

Technical Information and Acknowledgments

The Maps:

The paths have been mapped over the course of a few centuries by great scientific minds. I am not one of those minds, and am grateful for their work. This book presents artistic presentations of eclipse paths. They are very close to the true paths, but I have widened the areas of totality or annularity for visibility. I do this for very simple reasons. The area of pure totality in an eclipse can easily be less than seventy miles. That is 1/340th of a 24,000-mile globe. Try drawing that on a map just a few inches wide. It is a very thin line, to say the least. Presenting it that way is both difficult and feels slightly absurd. It's not a line. It's a shadow. To best represent this shadow, I include areas of "almost" totality or annularity. The shaded paths in this book are experiencing profound eclipse, but only the very center of the shaded area would be in direct totality or annularity.

The mapping I present is not perfect, but all flat maps have difficulties presenting global phenomenon. I insist on creating hand drawn maps because I am convinced that I was supposed to present them in this primitive analog fashion. I think God might be sick of computers. I pray there's none in heaven.

I base my drawings on four different scientific sources-the earliest from 1887 and the latest from NASA. I then try and convey their reality as best as I can. Since I don't use computers directly for the drawing process, there are some rough spots. I get shaky. There's some funky curves. See if you can spot the "whiteout" correction fluid. It's a little late in this game for fixing all the details. So please forgive me if Orlando is slightly out of line in the eclipse of 1600. I tried very hard to keep it as close as possible, and accuracy is important to me, but this medium has limitations, as do I. For closer geographical "certainty", please refer to the sources I credit

further below.

My maps show the dominant area of most eclipse. For total eclipse, shading will usually be where the eclipse is 95% or more, for annular (ring of fire) eclipses, where it is 85% or more. I believe this method helps the viewer “see” the signature of the eclipse best. I use pencils to shade in. Good old lead No.2's. After trying other formats, ink and pencil seemed the best way to convey the impression of shadow. A hand-drawn eclipse path has a 3-D quality that vanishes in computer drawn maps. I also limit or exclude some political boundaries. The eclipse paths themselves are obtained from several modern and classic sources and then artistically adapted for comparative effect.

Here are the main sources.

- 20th Century eclipse resources owe their primary debt to Theodore Oppolzer's *Canon of Solar Eclipses* (1887), one of the greatest computational works of all time.
- In our day and age, Fred Espenak (NASA's eclipse scientist) and Jean Meeus's book “*Five Millennium Canon of Solar Eclipses*” Volume One and Two are indispensable and should be bought. Their maps are available online at NASA, but it's not the same as the physical book which allows for quick comparisons of large time frames and patterns.
- The tremendous website “Time and Date.com” is the most comprehensive source for detailed eclipse maps online. Their site allows the viewer to locate individual towns and cities on maps from 1900 to 2100. You can learn all sorts of information there, including the percentage of coverage at any given location, and the exact time the eclipse occurred. Their website also has a very easy to use date calculator.
- “Solar-Eclipse.info”, the site of Andreas Moller, provides easy to read and clear guides for historical eclipses going far back in time. His site allows you to search national maps.
- Christopher Grant of the Mathematics Department of BYU did the vital calculation that determined the Great 391 Year Cosmic Clock (first hinted at by H. Grattan Guinness but missing the draconic calculation). He also did an extended Saros calculation.
- There are several resources for the upcoming American Eclipses. My favorite is Dan McGlaun's “eclipse2024.org”.
- Dean Coombs at 1260d.com has one of the deepest considerations of Biblical calendar reality.

- George Van Den Bergh named many of the cycles mentioned here, including the Octon and Hepton. He also numbered the Saros Characters. His ideas remain in spotty places on the internet. Much of his greatest work has almost completely “disappeared” from modern scholarship and the web. Part of his unusual story is presented in the personalities section. His great work *Universe in Space and Time* is occasionally available at used bookstores.
- I find the best books on the general topic of God in human history are the non-fiction works of CS Lewis, especially *Mere Christianity*. The late Chuck Missler is another good resource.
- Lewis Mumford’s *Myth of the Machine: The Pentagon of Power* provides the essential big picture study of the progressive trajectory of Empire and scientific priesthood.
- *The Approaching End of the Age* and *Creation Centered in Christ* by 19th Century Irish evangelist and astronomer H. Grattan Guinness are deep dives into the cosmic calendars of God.
- *The Holographic Universe* by the late Michael Talbot is a great overview of cutting-edge physics confronting the many unusual characteristics of the implicate and explicate order.
- Of course, The Bible is the great book and clearly Living Word.

I couldn't do any of this without publicly available maps. I don't expect any of my sources to necessarily sympathize with the direction of this work, but I am still grateful for their efforts. Clearly there's a lot of ways to love eclipses. Some people love them with a heart for a “purer science” than me. God Bless them! It's all good.

Historical and astronomical information in this work is “common knowledge”. I don't own it and neither does anyone else. It is available in the Columbia History of the World, Britannica Encyclopedia and other sources. I credit all specific quotes and details. Mostly just basic history and geography.

All illustrations besides my own are from NASA, or other public domain sources. Publicly available NASA maps are the work of Fred Espenak and Jean Meuss, and constitute a true public asset.

Who I am

People want to know who is telling them a story. I understand that. So I'll say where I come from.

I am currently the author of a huge book which I am very much looking forward to finishing. I'm also a husband, father and manager of a small hay farm. I do outdoor work and play old-time style country music for tour buses. I have a small town bluegrass band.

My name is Sand, and that is my birth name. My parents were Norman and Norma. For a while growing up, we lived on a place called Normal Street. I kid you not.

Norman was from working-poor Jewish stock (so I'm half) and was raised in Bedford-Stuyvesant, Brooklyn USA. His father William was from Ukraine. He fought in the Battle of the Marne in WWI for the USA and was injured for life by mustard gas. His father before him had been born a serf.

His wife, my grandmother Lily, was from Austria.

My mother Norma was from working-poor Protestant American stock. She was born in Oklahoma and raised in the Dust Bowl, mostly in Northern Arizona. Her bloodline goes back to the American revolution on both sides, the Russells and the Waltmans. All our people fought for the Union in the civil war. They were westward moving people. Mom's grandpa was a free-will Baptist minister who built 5 churches. He had been saved following a tornado experience working as a roughneck in Ripley Oklahoma. My mother Norma was a teacher and a poet and much more.

I was conceived in New Zealand while my parents had briefly emigrated there. I was in Mom's belly when we took the ship back to the USA. I was born in Flagstaff Arizona Sunday Evening June 4th 1967, just as the Six Day War began in Israel. The Beatles *Sergeant Pepper's* was released that week. At two months old, my family moved to Tahlequah, Oklahoma which is the capital of the Cherokees, at the end of the Trail of Tears. I learned guitar there at 11 and was there until I was 14.

My youngest memory: I was five. My brother and sister took riding lessons at a place out in the country near Tahlequah. Someone decided to stick me on the back of an unsaddled and untied horse so I could see what it felt like. The horse startled and ran across a field with me at a dead run. I see the horse ears and my hands on the mane in my mind's eye to this day. I held on for dear life and leaned forward. I had never been on a horse before. They chased me down in a pick-up truck across the field. I rode the horse to a standstill and they got me off. My sister remembers this. It actually happened.

I left Tahlequah at 14 with my Mom and attended a private high school on scholarship in Tulsa. I attended Colorado College on scholarship until graduating in 1989. After college, I worked for 7 years off and on as a dude ranch cowboy and ranch hand in Utah. I also lived and worked in

several small towns in Colorado. At 28, I moved to Nashville to make it in Country Music and had a band.

I found out that the sun is the same size as the moon in the sky when I was 32, watching a late-night public access channel. I left Nashville at 33. I became a believer in the Way of Jesus 3 days after I left Nashville in the Flat Top Mountains of Colorado on July 14 2000. I watched the mountain Mesa Verde burn about ten days later. A few weeks after that I Joined a wildland firefighting crew in Oregon and at the end of the season wrote a book called *"What the Fire Said"* about story and fire and technology.

Since then, I've lived in the Four Corners mostly, aside from a three-year stint in Texas. I have done mostly outdoor labor and music most of my adult life. I have made lots of original music albums and do lots of gigs where I play lots of classic country and rock requests.

In 2017 I completed a children's book called *Eclipse Miracle: The Sun is the Same Size as the Moon in the Sky* and I traveled along the 2017 eclipse path with my book that summer. I began work on *Eclipse Witness* in early 2020.

But enough about me! Back to the God Songs, the hieroglyphs, the Cosmic Timekeeping of the Real Author, the Author of the Real.

The study of these patterns was not widely available in a readable format until very recently. 1996 NASA online directory and 2009 time and date. 2006 5 Millenium canon.

The most obvious application of these databases, and the stated hope of Fred Espenak form the intro to the book.

"Ultimately, historical eclipse identification can lead to improved chronologies in the timeline of a particular culture." Espenak preface to % Millenium Canon.

I'll tell you right now that some eclipses are plainly ominous, and I'll describe them in a minute and you can decide for yourself. Whether eclipses could be considered ominous, has not been thoroughly investigated by anyone besides me, as far as I know. Reason I took it on is because God showed me it, and I got the idea and recognized the really obvious pattern of very meaningful synchronicities.

We've had scales over our eyes concerning this messaging system I am presenting here. The scales are lifting at just the moment we can begin the countdown to the Great Jesus Anniversary, the 2000th anniversary of the Lord Jesus Christs last week of Ministry, Between March 30th And April 3, 2033.

There are some great cycles and calendars aligning for this time in history, the Great Jesus Anniversary, and that's part of this work. Solar eclipses are omens or commentary though maybe not like omens we might expect. They rarely mean the earthquake is imminent, though things like that do sometimes happen. Usually they involve empires.

These eclipses are unique in all known cosmic reality and They provide evidence of a phenomenon I call resonant synchronicity. Multiple coincidences with the impression of artistic design.

There are mountains of evidence for Intelligent Design which have already been gathered, and I consider this one more. I differ from some of the Intelligent Design folks because I bring Jesus right into the mix, because its history and his story, and I pray this casts new light on God's artistry, his engineering, his songs.

I'll get it right out there. I think the current eclipses point towards the end of history. The song I think I'm hearing seems to point toward the 7 year Tribulation, which ends with the return of Jesus Christ and a 1000 year kingdom.

I am not an official date setter, but I will be looking at what occurs in the next ten years, and you'll be able to tell which year seems likely or not. Or maybe I'm way off base, in case I hope you just stick around for all the cool facts about the Cosmic Clock, because it is wild!!!

The Experts

No experts are going to tell you about this. Why? Because the experts have largely had to go along a single way of looking at things. A specialized blinders on kind of science. There's only one expert in this field, and that's God almighty. But down here in the land of the singing yahoos, I'm as close as it gets. Not bragging, just saying. The solitary nature of my position might make one suspicious, but I am not inventing source material. I use historically and astronomically verifiable eclipses and compare them with known facts and history.

I will present this reality whether anyone listens or not. It is real, and I've agreed to present it to the best of my ability.

We submitted to a tyranny of experts, and I've stopped trusting experts to always tell the truth..

"Science means specialism, and specialism means oligarchy. If you once establish the habit of trusting particular men to produce particular results in physics or astronomy, you leave the door open for the equally natural demand that you should trust particular men to do particular things in government and the coercing of men. If you feel it to be reasonable

that one beetle should be the only study of one man, and that one man the only student of that one beetle, it surely is a harmless consequence to go one to say that politics should be the only study of one man, and that man the only student of politics. ...the expert is more aristocratic than the aristocrat, because the aristocrat is only the man who lives well, while the expert is the man who knows better. But if we look at the progress of our scientific civilization we see a gradual increase everywhere of the specialist over the popular function. Once men sang together round a table in chorus; now one man sings alone, for the absurd reason that he can sing better.

Chesterton (Heretics 1905)

The field of the Cosmic Clock as it truly exists, is almost devoid of consideration, and I can't think of a field more worthy of study.

Solar eclipses caused great terror and excitement among all populations that we know about. They were universally considered an omen of the gods (or God), With the discovery of the basic mechanics in 1715, they were promptly misrepresented for the next three centuries as a scientific event, to mirror our scientific culture. They were not mapped extensively until the late 1800's, and as I said few in the public had readable maps available until really just the last 20 years.

I am a singer, and a songwriter and a writer and I know lots (and lots) of songs from all sorts of artists I have learned over the years. I'm a request man, and I memorize songs (I know when they sound like they are about to end), and I love history, and I see artistic patterns and hear patterns in stories and music.

I learned at the age of 32 that the sun was the same size as the moon in the sky.

Eclipse Miracle

It was 1999. I was a country singing wannabe on a couch around midnight at a friend's house in Nashville and there was a public access TV show on with a speaker talking to a class in low resolution video while he writing on a chalkboard, describing solar eclipses. He turned to the class and said:

"Of course, solar eclipses are only possible like this because the sun and moon are the exact same apparent size in the sky. The sun is 400 times bigger than the moon and also 400 times further away"

I sobered up. I sat up. The speaker moved on, but I was stuck in the last sentence.

No one ever told me the sun and the moon were the same size in the sky, did they tell you? That amazing synchronic reality astonishes me still.

And it still strikes me odd that I had grown to be thirty, attended school for 16 years, and no parent or pastor or teacher or cartoon or science guy on tv or anyone else ever bothered to tell us kids that the sun is the same size as the moon in the sky.

In an instant there in Nashville, it became clear that the world really is a stage, with a very powerful stage designer, and that the world system I had been pursuing favor with was bent on concealing one of the clearest attributes of God.

Date-Setting is a Crime.

“Thou shalt not set dates for the return of Jesus Christ.”

It is the unwritten 11th Commandment. The Unpardonable offense, right?

But why? And who said so? How close can I guess before some evangelist or party-pooper sneers over and says, We shouldn't set dates.

What's allowed? Can I guess within a month, a year, a decade? Is it unwise to proclaim that Jesus returns within the generation, or maybe even, Jesus is Coming Soon?

Jesus said no man knows the day or hour, and I agree with that.

This work says neither day nor hour, but it's hard to not guessing a couple of yea4rs that look like prime candidates.

Is that really so bad? Shouldn't we live for today? If the Doc says you have six years to live, or you might get transported up to heaven first, is that really such horrible news? I mean, are you going to freak out. oh no I might have only six years to live according to the guy that wrote that book who is a hay farming singing cowboy. Six years!!! oh no!!! What am I to do?

If you are such a person, please forgive me.

But the simple truth remains that Jesus didn't warn against people saying the “end is the near” In fact, he said “the kingdom of God is near” and all his apostles warned about the approach of the end.

Discern the nature of the times like Jesus and the disciples and the prophets.

I am not speculating about the end times. I am bringing a logical argument that they should occur soon. Obviously, all those before me turned out to be wrong. Does that mean I am wrong too? Maybe. It's a song. Listen to it.

No prophet of doom had accurate data from NASA which authenticates the existence of a measurable cosmic messaging system. God made the eclipse calendar and His Cosmic Clock. This system was simply unintelligible until recently.

So here I am, against all my better worldly judgment, saying in print saying this is it. Party's over. What is gained by saying such a thing, by making a big deal out of some deadline?

Nineveh: The Great Revival

The word of the LORD came to Jonah son of Amittai: ² "Go to the great city of Nineveh and preach against it, because its wickedness has come up before me."

Jonah 1-2

After the Lord's instructions, Jonah fled from the Lord, got on a ship bound for Tarshish, a great storm came and the sailors were forced to throw Jonah overboard to save their ship. Jonah got swallowed by a fish. he repented, and the fish spit him out on dry land, and Jonah went to Nineveh to do as the Lord commanded.

Then the word of the LORD came to Jonah a second time: ² "Go to the great city of Nineveh and proclaim to it the message I give you."

³ Jonah obeyed the word of the LORD and went to Nineveh. Now Nineveh was a very large city; it took three days to go through it. ⁴ Jonah began by going a day's journey into the city, proclaiming, "Forty more days and Nineveh will be overthrown." ⁵ The Ninevites believed God. A fast was proclaimed, and all of them, from the greatest to the least, put on sackcloth.

Jonah 3:1-5

Then what happened?

¹⁰ When God saw what they did and how they turned from their evil ways, he relented and did not bring on them the destruction he had threatened.

Jonah 3:10

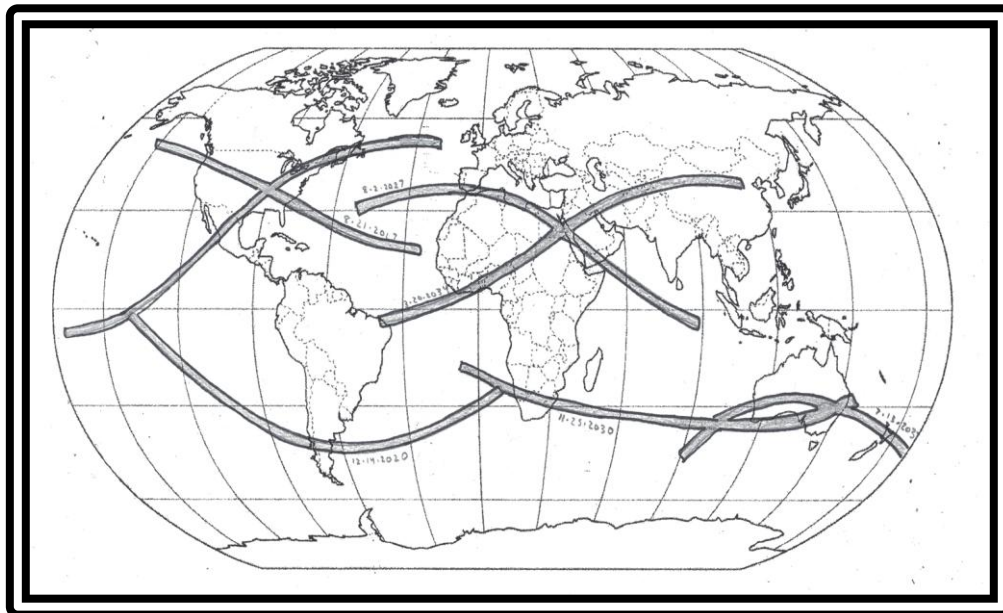
A deadline for judgment was set. That deadline (40 days) was announced. The people repented and the greatest revival of pagans in the Bible occurred.

Deadlines work. I'll take the heat for it.

Appendix: All world crosses from 993 AD

With the intent to determine how unusual our current set of overland crosses are, we'll look at all overland total crosses on planet earth between 993 AD and 2600 AD. By overland, we mean the apex of the cross is overland. On a couple of occasions, the apex is just very near land. I include them when they are obviously significant

Our current set of overland crosses belong to the Hepton cycle, a cycle composed of 7 different eclipses spaced at 1211 day (7 eclipse season) and 2422 day (7 eclipse year) intervals. They typically occur on the same day of the week. Our current set of Hepton eclipses occur on Monday. Within that cycle, we have three overland crosses occurring within 20 years. These crosses are fairly evenly spaced from each other.



Above: The Hepton Cycle of 2017 to 2037

All seven of these eclipses happen on Mondays.

Here are the eclipses in order:

Hepton One -Mondays 2017 to 2037

Perhaps the maximum expression of all modern eclipses.

2017 Aug 21 USA Divided (Saros 145).

2020 Dec 14 Electoral College/Vaccine/ Washington Death Day Eclipse (Saros 142) At exact midpoint of 2017 and 2024 USA totals, eclipse occurs in South America while the new President and Vice-president are being elected by the Electoral College in Washington, DC. Occurs also on 221st anniversary of death of George Washington (Dec. 14 1799). Washington was killed by too much blood-letting while he had pneumonia, standard medical practice of the day.

2024 Apr 8 North America Divided (Saros 139) South to North across Mexico, USA and Canada. Unprecedented path in North America in at least 600 years.

2027 Aug 2 Valley of the Kings/ Mecca (Saros 136) At 6 minutes and 23 seconds, this will be the longest total eclipse until 22nd Century. Rock of Gibraltar, Tripoli, Libya, and Egypt's Valley of the Kings. Total eclipse in Mecca, Saudi Arabia.

2030 Nov 25 Ghost of British Empire (Saros 133) South Africa to Australia. The two nations at the farthest extent of the Euro-Roman imperial conquest of earth are connected , ending at sunset over Sydney.

2034 Mar 20 Spring Equinox Hepton Cross (Saros 130) Creates cross with 2027 Valley of the Kings. New Year's Day in many other cultures.

2037 Jul 13 Australia and New Zealand (Saros 127) Forms third and last Hepton Cross of cycle in conjunction with 11-25-2030 eclipse, apex in New South Wales.

These balanced sets of crosses occur essentially ten years apart from each other. (3633 days- ten years minus 19 days). The first US eclipse is 2017 and the first Mideast eclipse is 2027. The last Australian eclipse is 2037. The second US eclipse is 2024 and the second Mideast eclipse is 2034.

Now, does this sort of profound eclipse crossing thing happen all the time?

As we are about to see, not only does it not happen all the time, it's never happened in the last thousand years.

Never before in 1000 years have two Hepton total eclipse crosses followed on each other's heels in such a dramatic way over important nations within the same cycle, much less three eclipses, as occurs with this cycle.

Less than 70 total overland eclipse crosses occurred within 8 years of each other during the last thousand years. It's possible I missed a few of them. But I really think I got nearly all of them.

Dozens occurred with apexes over open ocean.

There are many crosses where total eclipses combined with ring of fires or hybrid eclipses, but I am limiting the scope of this study to total eclipses, which are the maximum expression of the solar eclipse phenomenon.

Many overland crosses are quite interesting historically, but nothing in history compares to our current sets.

Total Eclipse paths that cross within less than ten years of each other are rare enough that the area which became the contiguous USA has seen only 3 overland total crosses in the last thousand years. All were unbalanced and the last happened in 1451, more than 570 years ago.

Facts about the Crosses.

I only include Total Crosses.

I found 67 total eclipse crosses of any kind since 993 AD. They are mapped here in 69 maps. The maps also include a few peculiar conjunctions. Especially of interest is the 1900/1905 Egypt Spain conjunction.

Some maps have two or even three cross apexes as the phenomenon of crosses occasionally arrives as a cluster. This happened a handful of times in the last millennium. One comes up in Australia between 2028 and 2038, which turns out to be the greatest example in history I found outside of the astonishing Southeast Asia swarm of 1944 to 1965.

Breakdown of Historical Crosses

The Total Crosses of the last thousand years are created exclusively by seven different cycle intervals.

- 2776 days-Octon (which equals 8 eclipse years)
- 2599 days-
- 2422 days-Hepton (which equals 7 eclipse years)
- 1920 days
- 1211 days-Hepton (equals 7 eclipse seasons)
- 1040 days -Hexon (or three eclipse years)
- 856 days
- 531 days

The most common crosses are Hepton 2422 day and 856 day crosses. This 856 day cycle remains unnamed as far as I can tell.

Hepton Crosses. As stated before, Hepton crosses occur 2422 days or 1211 days apart, on the same day of the week. Again, the 2422-day variety are the crosses appearing over the USA, Mideast and Australia in our current timelines.

I found thirty-four 2422-day overland Hepton crosses in the last 1044 years.

There were also three 1211-day Hepton eclipse crosses since 1044.

856 Day Crosses. These are the next most common eclipse, with twenty-three 856-Day Crosses in 1044 years.

Octon Crosses. Octon crosses occur at 2776 days apart, or 8 eclipse years, which is 7 years 7 months and 7 days.

There are three Octon Crosses in 1044 years.

531 Day Crosses. 531 days is one lunar year plus one half of an eclipse year (a “semester” of 177 days).

Three 531-day crosses occurred since 1044, all since 1860.

7 year plus 42 day Crosses. There are 2 of these.

1920-Day Crosses There are two of these eclipse crosses.

1040 Day Hexon There is one Hexon eclipse.

Geographical Oddities: Eclipse Crosses since 993 AD.

For purposes of categorization, I divide the world into seven geographical areas.

Mideast: Egypt, Arabian Peninsula, Iran, Iraq, Turkey, Libya, Israel, Jordan, Syria. I include Algeria.

North America: all land north of the Panama Isthmus

South America: south of isthmus

Africa: All nations of African continent except those bordering the Mediterranean

Europe: All land of Eurasia west of Ural Mountains besides what I term the Mideast area. There I split Russia into a Russia/Europe and a Russia/Asia.

Asia: Eurasia outside of Europe and Mideast, including South Asia, India and Island chains like Indonesia and Philippines.

Australia: Australian continent and New Zealand.

How many?

I found 72 total eclipse crosses between 993 AD and 2038 AD and one special conjunction.

I name them from the year they began.

Mideast: 8 crosses and one special conjunction. It sees no crosses in 774 years between 1086 and 1860.

Arabia-Only two crosses overlap southern Arabia: one along Persian Gulf side and one along Red Sea side. They both occur one after another at the beginning of the second millennium (993 AD to 1007 AD).

Iran- Iran (Persia) has two crosses 893 years apart in the almost exact same spot in the Caucasus Mountains, near city of Shahrud.

Algeria- one

Libya-one

Turkey- the amazing Turkish Tav of 1999 and 2006

Egypt- Only one cross, the upcoming 2027/2034 Hepton Cross with Apex in Egypt and Red Sea.

Egypt (Special Conjunction): A special conjunction occurs in the eclipses of 1900 and 1905, where two total eclipse paths overlap each other along the southern Mediterranean coast before diving into Egypt.

South America:

South America has seen 6 obvious crosses since 993 AD.

Peru: two crosses.

Brazil: two crosses.

Colombia and Argentina each see one total cross.

North America:

North America had 11 crosses between 993 AD and 2024. The area which became the contiguous USA saw none from 1451 until the recent one of 2017/ 2024, or 573 years without a total cross.

I treat Alaska as exempted from US because of its geographic isolation.

USA: Three Crosses (1104, 1449 and 1451)

Canada: Four crosses (the last in 1972 over Nova Scotia)

Mexico: one cross

Alaska: one cross

Canada/Alaska border: two crosses, same cluster.

Australia: Australia had only one total eclipse cross in the last thousand years, occurring in 1610. Incredibly, it sees three total crosses in 10 years beginning in 2028.

Africa:

I found nine crosses in African nations (those which don't border the Mediterranean).

Mali: two crosses, including one with apex at Timbuktu.

Congo: two crosses

Sudan, Kenya, Madagascar, Mozambique and Angola each see one cross.

Asia:

Asia sees 20 total eclipse crosses since 993 AD.

Russia/ Asia: 5 crosses

China: 5 crosses

Russia/China Border: 2 crosses

Mongolia: 3 crosses

Kazakhstan: 2 crosses

Japan: one cross

Vietnam/Cambodia: one cross

New Guinea: one cross

Europe:

Europe had a remarkable 14 crosses from 993 AD to the present, the last concluding in 1914.

Russia/European: 4 crosses, including three in the same cluster from 1706 to 1715.

Spain: 3 crosses plus special 1900 conjunction.

Britain: 2 crosses.

Austria/Poland: 2 crosses

Denmark, Sweden and Serbia: all saw one cross.

Over land areas which we currently recognize as nations, only 32 modern nations experienced a total eclipse cross in the last thousand years. There are 195 nations currently recognized on earth.

Most Crosses?

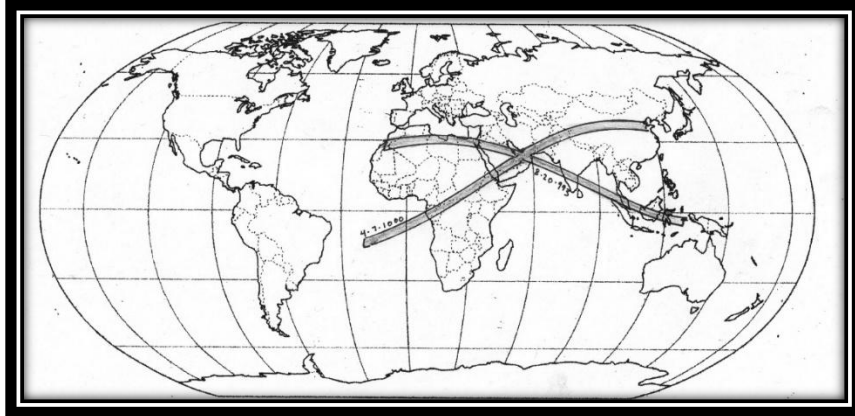
Russia had all or part of 11 Crosses. China all or part of 7. Canada saw 4. Mongolia and Spain each saw 3.

Big nations that saw no eclipse crosses include India (7th largest nation in the world), Indonesia, Germany, Venezuela, Pakistan, much of Africa, and all of central America outside of Mexico.

Australia, the 6th largest country on earth, saw only one total cross in a thousand years. The USA didn't have one for almost 600 years between 1451 and 2024.

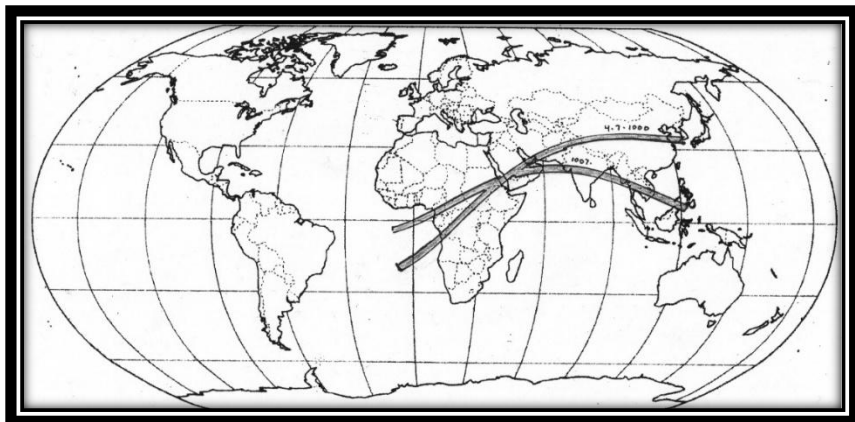
In contrast, Spain is merely the 52nd largest country in the world and saw 3 eclipse crosses.

The cross phenomenon is rare. The appearance of the balanced Hepton Crosses we are experiencing is extremely rare, indeed completely unique in the last millennium. But don't take my word. Have a look at what the crosses say.



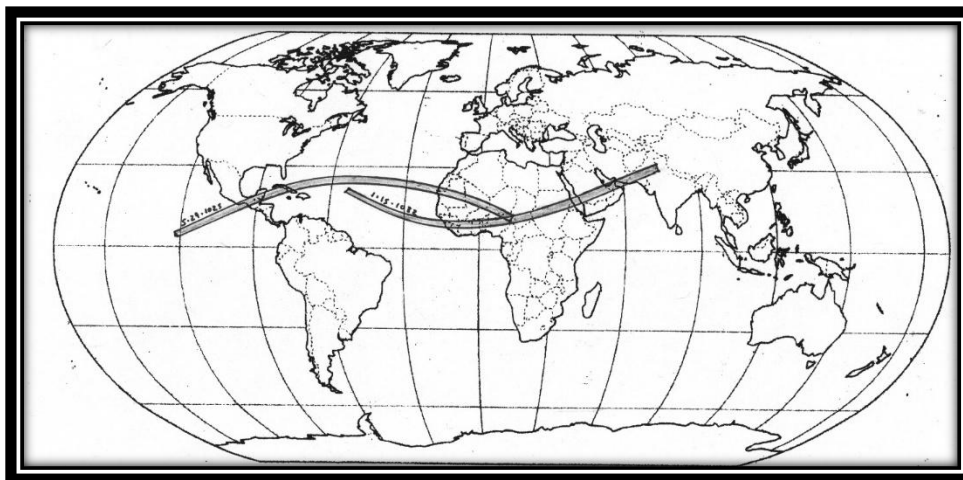
**1. 993 AD Aug 2 and
1000 AD Mar 20 Total**

993 AD Aug 2 was the last total eclipse over city of Jerusalem. Apex of Cross near modern Dubai. These dates of Aug 2 and Mar 20 return in upcoming 2027 and 2034 Egyptian Cross.



**2. 1000 Apr 07 and 1007
May 19 Cross**

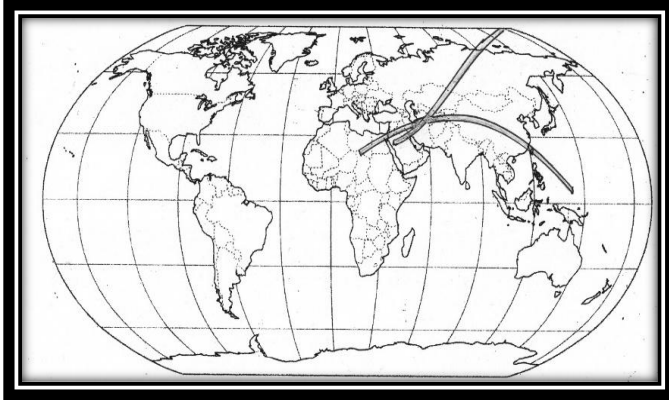
7 year plus 42 day Cross. Apex near border of northern Yemen, southern Saudi Arabia and Red Sea



**3. 1025 May 29
and
1032 Jan 15
Hepton Cross**

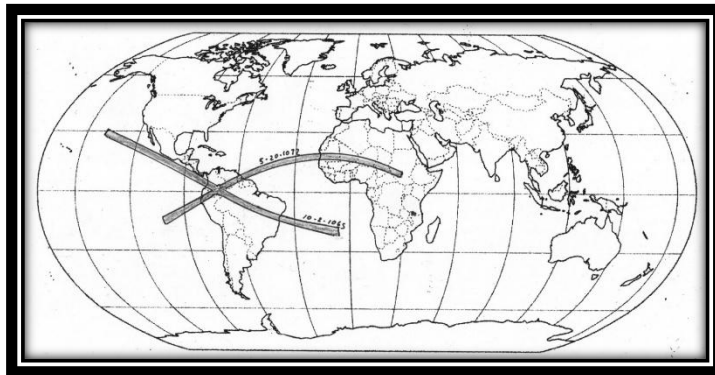
JFK and MLK Birthdays appear in a Hepton intersection in southern Chad.

JFK and MLK birthdays are perpetually locked in the draconic calendar 7 eclipse years apart. See more at Lincoln/JFK eclipses.



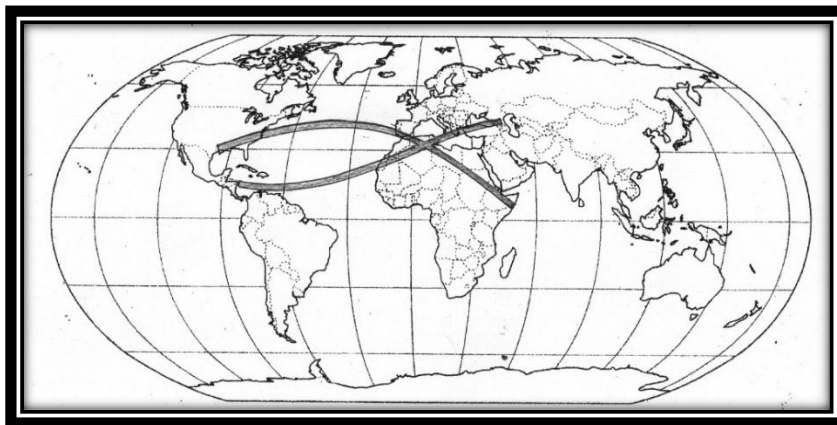
**4. 1059 Feb 15 and 1061 June 20
Iran Cross**

856 Day Cross apex NE Iran east of Shahrud in Caucasus Mountains near Afghanistan. There will not be another Iranian Cross until 1952/1954.



**5. 1065 Oct 2 and 1072 May 20
Amazon Cross**

Hepton apex northern Peru/
Amazon River near Iquitos

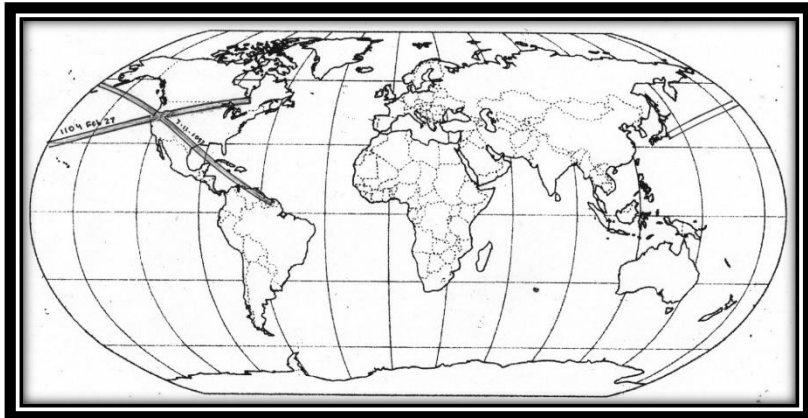


6. 1079 Jul 1 and

1086 Feb 16 Algeria

Hepton Cross apex
Northern Algeria. The
Almoravid Dynasty of
Algeria and Morocco defeat
Christian armies at Battle
of Sagrajas in Spain in
1086.

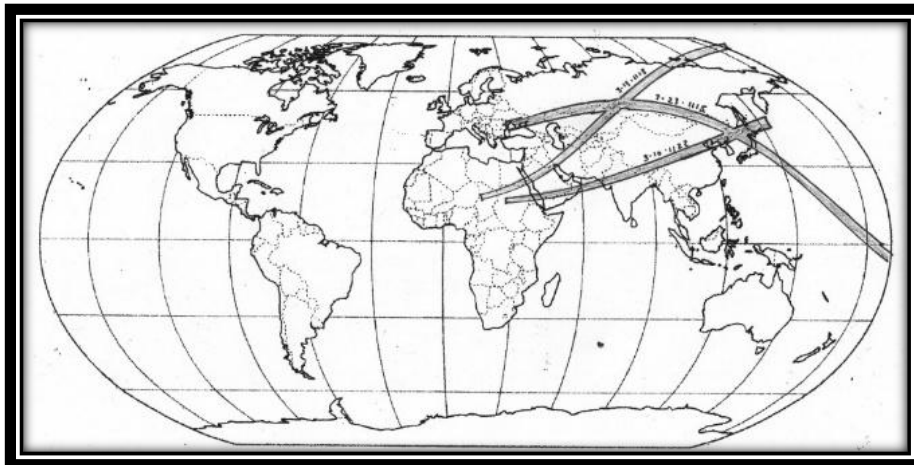
Notice Spain and Algeria linked.



**7. 1097 Jul 11 and
1104 Feb 27 Hepton apex**
northern Nevada near modern

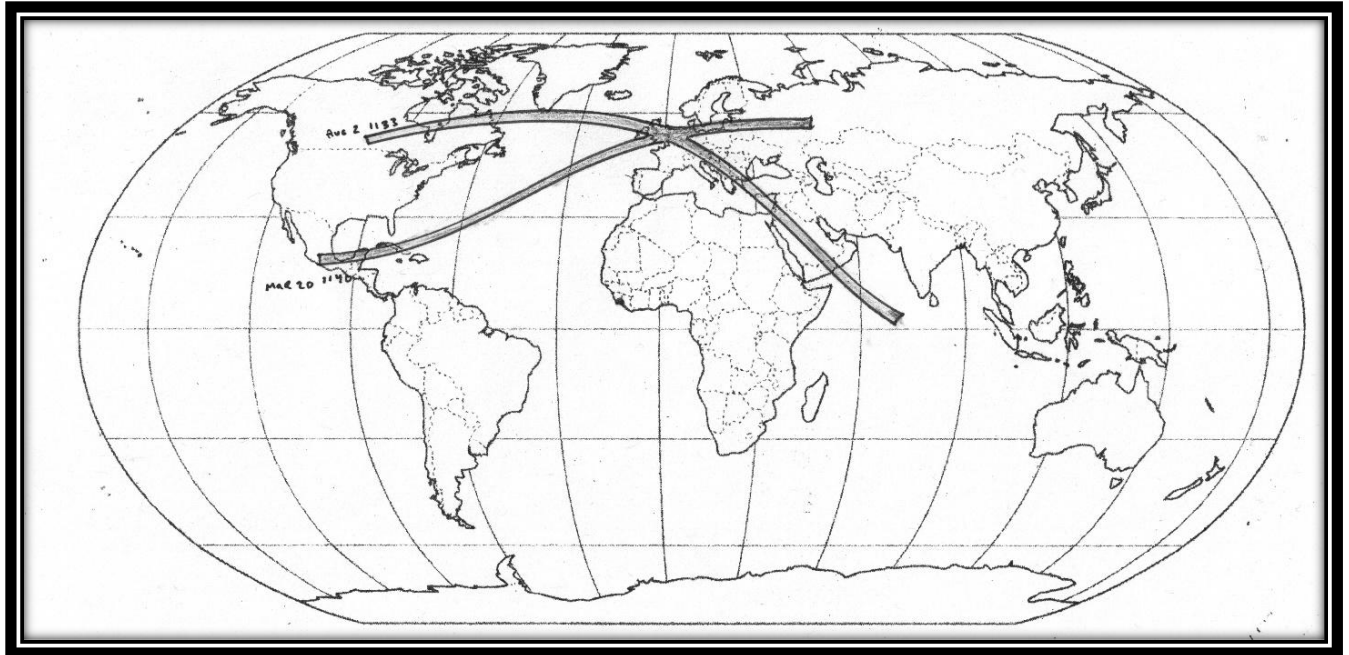
8. 1113 Mar 19, 1115 Jul 23 and 1122 Mar 10 Russia

Both an 856 Day Cross and a Hepton Cross



**8. 1113 Mar 19, 1115 Jul
23 and 1122 Mar 10
Russia**

Both an 856 Day Cross and
a Hepton Cross

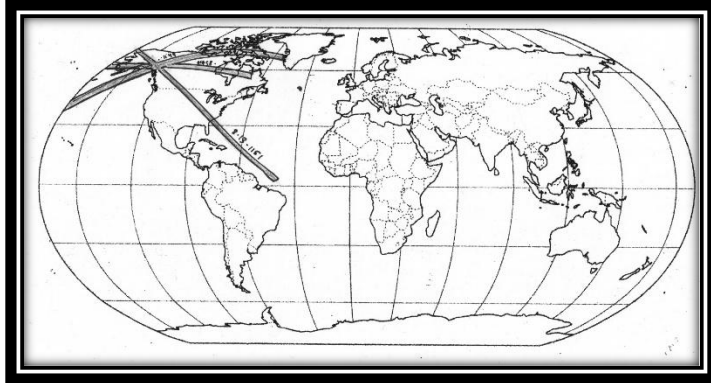


9. King Henry's Eclipse Cross. The Anarchy.

1133 Aug 2 and 1140 Mar 20 Apex in Britain

The first eclipse, in 1133, is among the most famous of all time. Occurs after King Henry departs from England in 1133 never to return again, initiating the civil war known as "The Anarchy" from 1135 to 1150 AD. The cross has never been mapped before now.

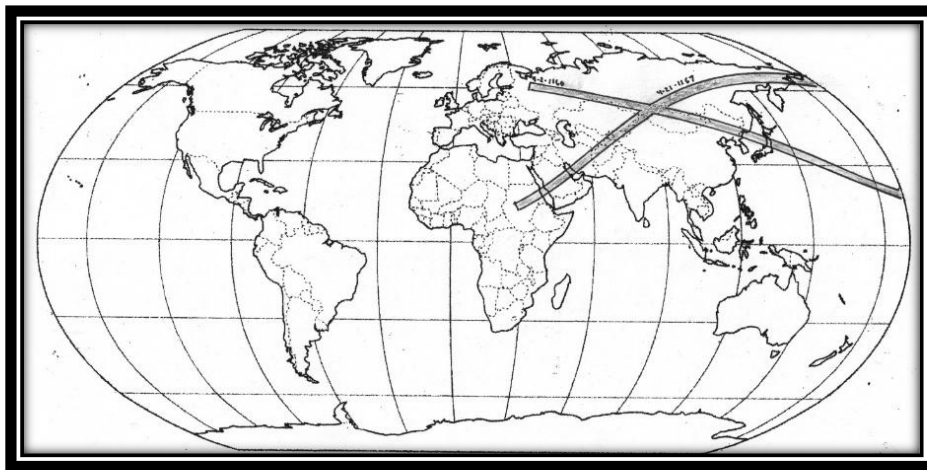
Notice the dates are exactly the same as Aug 2 2027 and March 20 2034 Cross. One of the only exact repeating eclipse cross dates in last 1000 years, it also shares this distinction with the Jerusalem/Dubai Cross of 993 and 1000 AD which starts this chapter.



10. 1149 Apr 9 , 1151 Aug 13, 1158 Mar 31

Northern America Double Apex

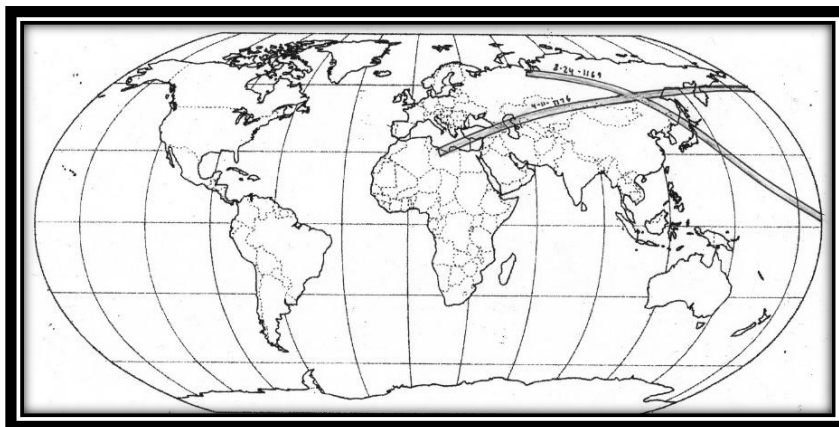
856 Day Cross Plus Hepton Cross.
Double Apex of three eclipses near modern Alaska/Canada SE Border.
One of the only examples in the survey of a crossing total cluster.



11. 1160 Sep 2 and 1167 Apr 21

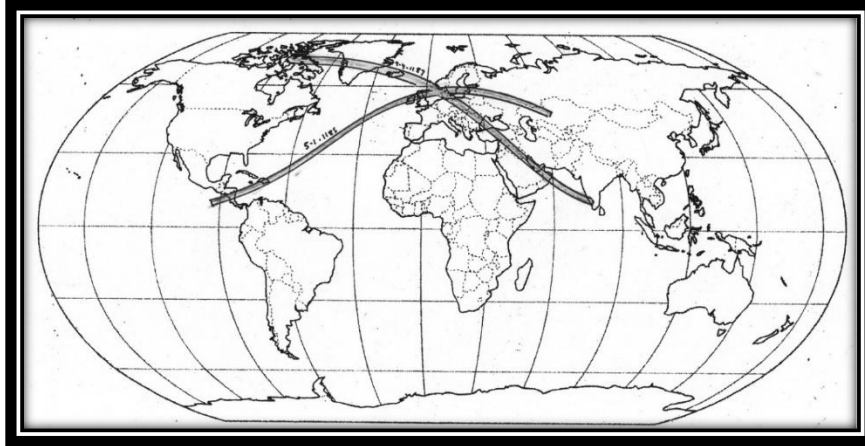
Genghis Khan Hepton Cross

Apex Mongolia/Kazakhstan Border... The great Mongolian Emperor Genghis Khan born between 1162 and 1167. The next century is marked by Mongolian invasions and eclipses.



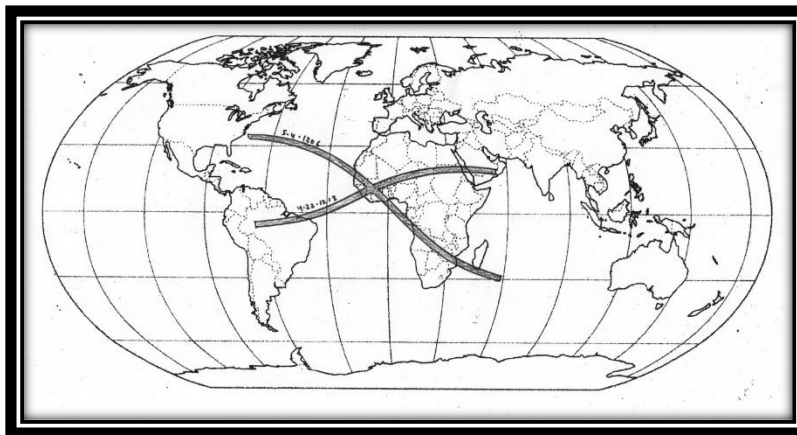
12. 1169 Aug 21 and 1176 Apr 11 Hepton

China /Russia Border



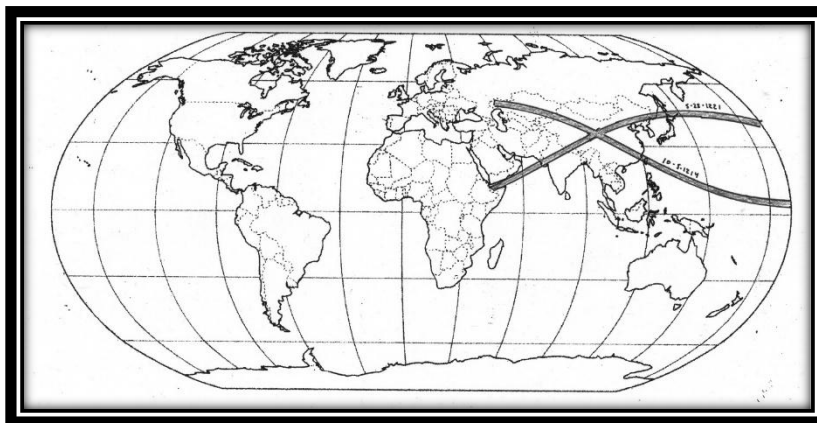
**13. 1185 May 1 and 1187
Sep 4 Denmark Cross**

856 Day Cross Apex near
Denmark/Scandinavia



**14. 1206 May 4 and 1213 Apr
22 First Mali Cross**

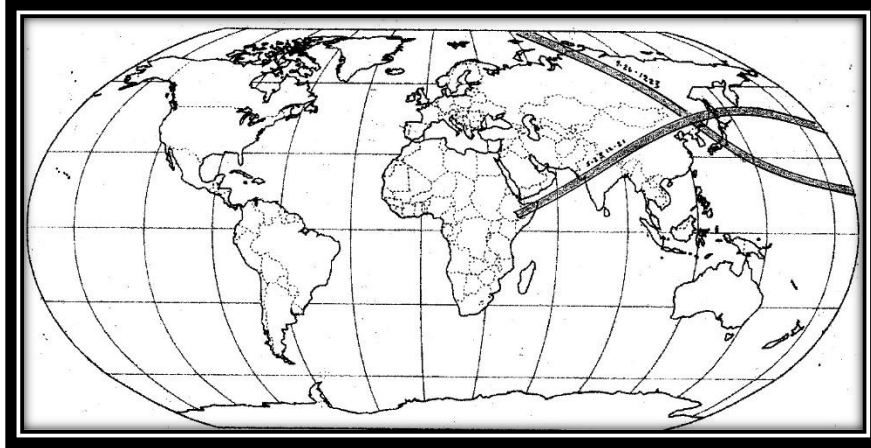
6 year minus 12 day Cross
Apex near modern day Mali



**15. 1214 Oct 5 and
1221 May 23**

**Mongol/ China Hepton
Cross**

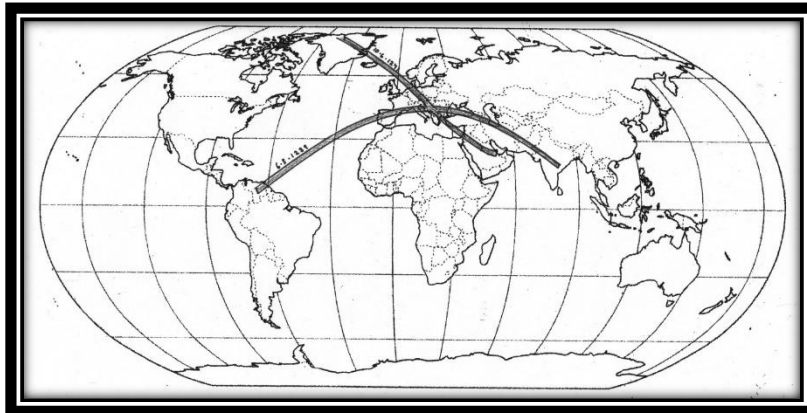
Apex in Central China (Lao
zou?) Mongol invasions
begun in China around 1205,
increasing in earnest in
1211.



**16. 1221 May 23 and
1223 Sep 26 Mongols
Russia Cross**

856 Day Cross apex
Russia/China
border...Mongolia in
western heart of cross.
Mongols conquer Kievan
Rus (early Russia)

around 1240



**17. 1239 June 3 and
1241 Oct 6**

**Mongols in Europe/
Crusade Cross**

856 Day Cross Apex in
Balkans ...Mongol invasion
occurs in Serbia in 1242, the
year after the second eclipse.

The 1241 eclipse just misses Jerusalem essentially following the path of Crusaders from Europe to Jerusalem. (Baron's Crusade was 1239 and 1240 AD)



**18. 1275 Jun 25 and
1277 Oct 28**

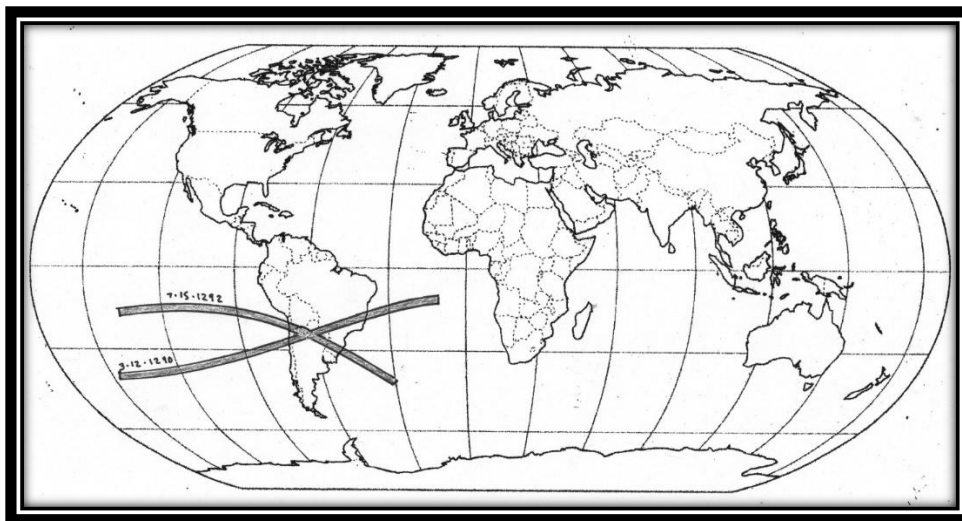
**Kamikaze Cross -
Mongol Final Cross**

856 Day Cross. Apex
over island of Kyushu
Japan.

Mongol invasions of

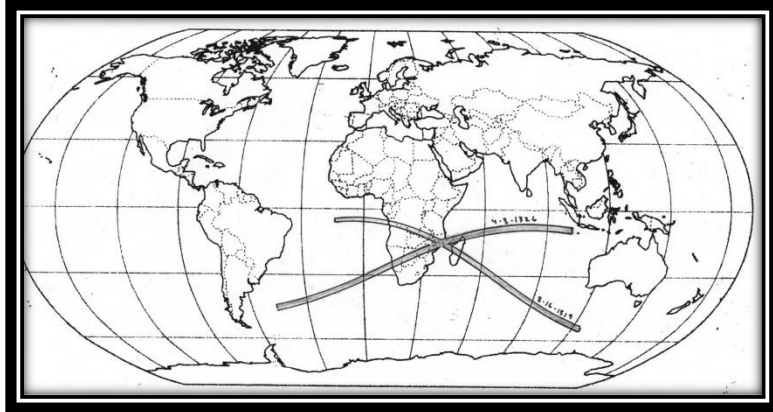
Kyushu under Kublai Khan occur in 1274 and 1281. The 1277 eclipse actually connects Mongolia and Japan.

Japan defeats the Mongols. In victory arose the philosophy of the kamikaze, or divine wind.



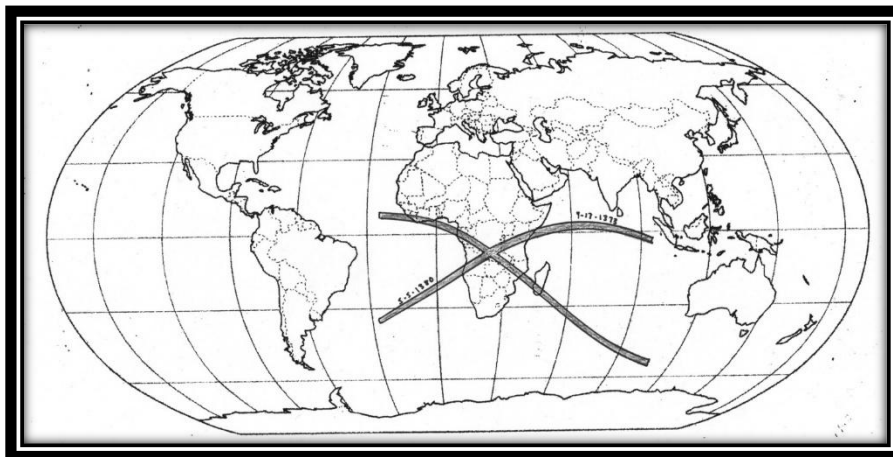
19. 1290 Mar 12 and 1292 Jul 15 Inca Cross

856 Day Cross Apex northern Chile/ Argentina near beginnings of Inca Empire



**20. 1319 Aug 16 and 1326 Apr 3
Mozambique Cross**

Southern Africa Hepton
Cross..apex over modern city of
Mozambique,

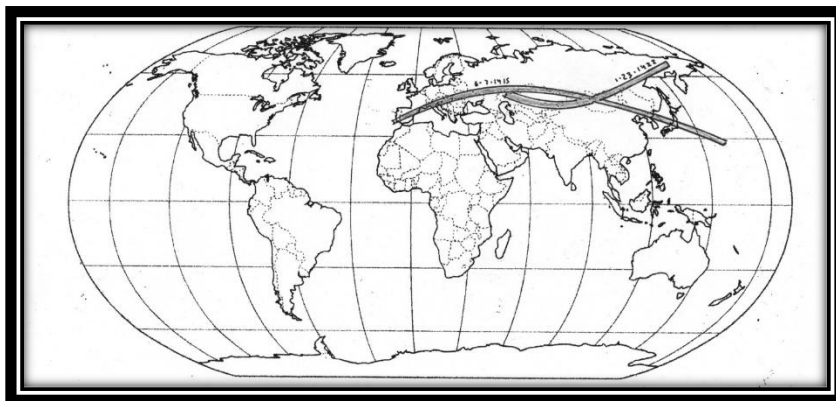


**21. 1373 Sep 17 and
1380 May 5 Congo
Cross**

Hepton Cross...

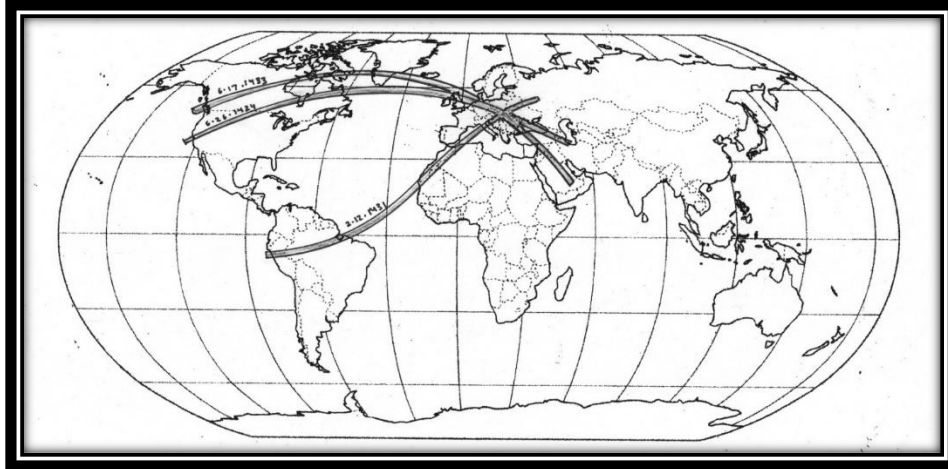
Second Cross in a row
over Southern Africa.
Apex in southern
Congo very close to
1973 Jun 30 and 1980
Feb 16 Hepton Total

Cross which had apex on coast of Kenya 600 years minus 79 days later



**22. 1415 Jun 7 and 1422
Jan 23 Mongolia Revisited**

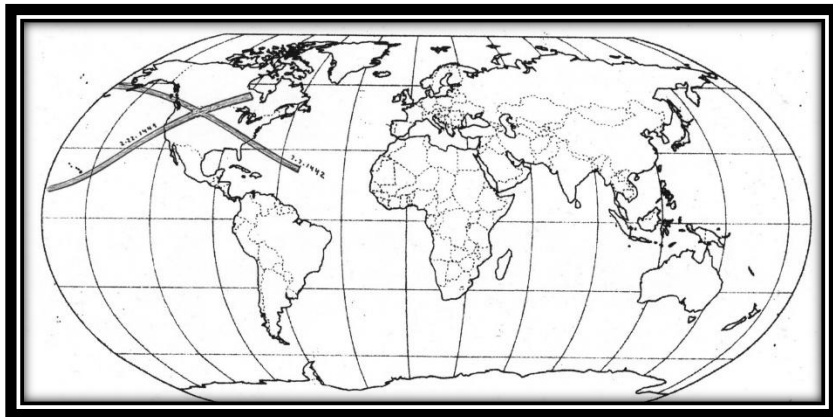
Hepton Cross apex in
western Mongolia. Last
cross to highlight Mongolia.
The 1415 eclipse stretches
the length of Eurasia from
Spain through Japan.



23. 1424 Jun 6 1431 Feb 12 1433 Jun 17 Great Poland Eclipse Triple Cross

Hepton Cross with 856 day cross

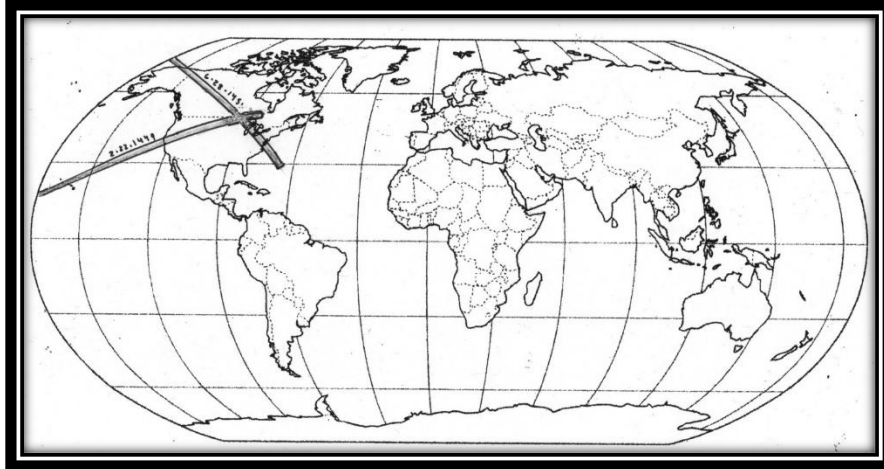
Apex of all three intersect around borders of Austria/Poland. The Polish Teutonic War occurred between 1431 and 1435, in the midst of all three eclipses. Extraordinary alignment with each eclipse beginning on the west coast of the New World, sixty years before it's "discovery".



24. 1442 Jul 7 and 1449 Feb 22 Washington Birthday USA Cross

283 years to the day (Feb 22 1732) before George Washington's birthday, a cross completed over the future USA. Hepton Cross apex north of Billings Montana, the first of four intertwined crosses, part of the last total crosses over the contiguous USA until 2017/2024.

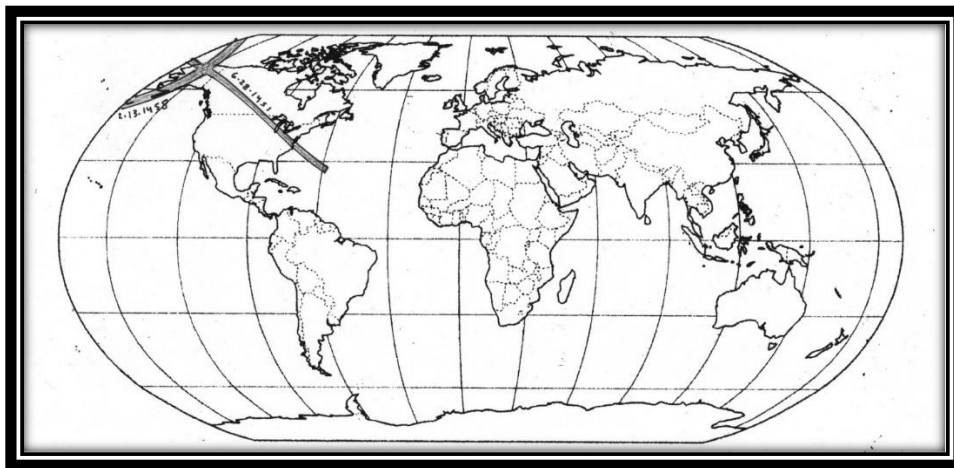
The 7-7-1442 total and Feb 22 1449 Cross are exactly 606 eclipse years removed from their 21st century counterparts in 2017 and 2024.



25. 1449 Feb 22 and 1451 Jun 28 Washington/Bob Dylan Cross

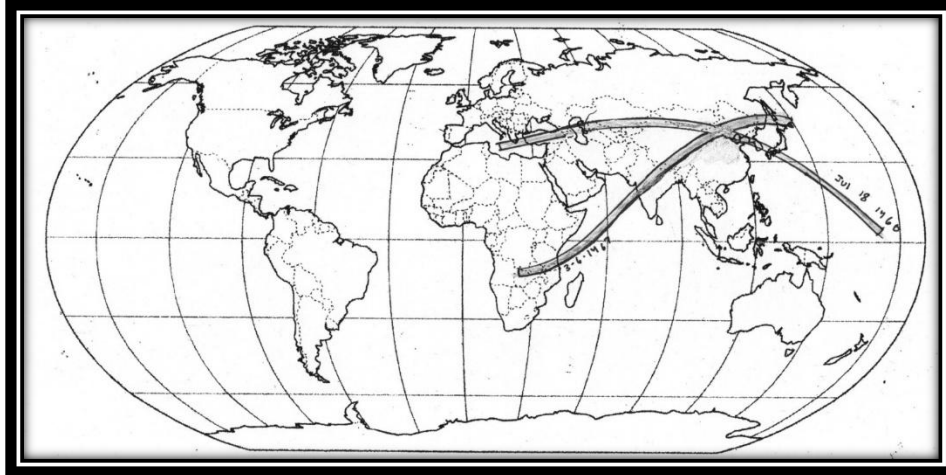
856 Day Cross Apex near Hibbing/Duluth Minnesota

The first eclipse is exactly 283 solar years before Washington's birth on Feb 22 1732 and the second eclipse is exactly 505 lunar years before Bob Dylan's birth in Duluth Minnesota on May 24 1941.



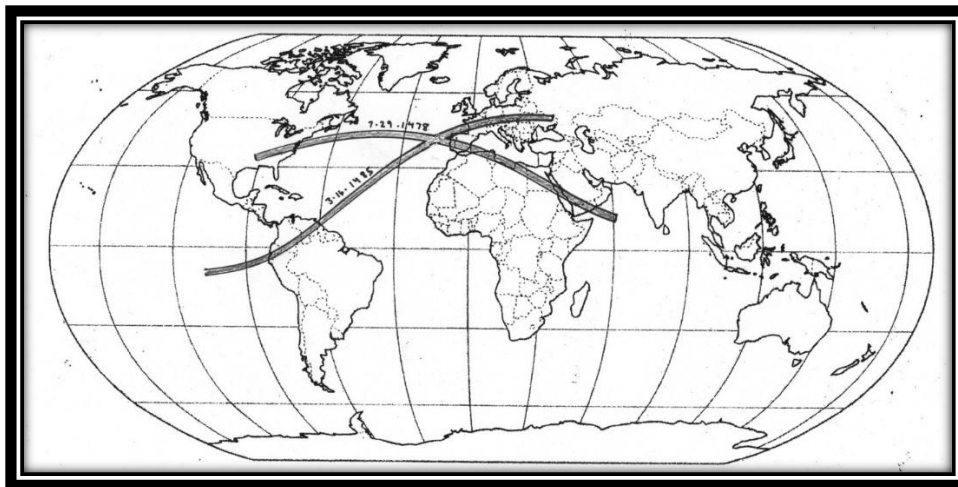
26. 1451 Jun 28 and 1458 Feb 13 North to Alaska Cross

Hepton Cross. Apex northern Alaska.



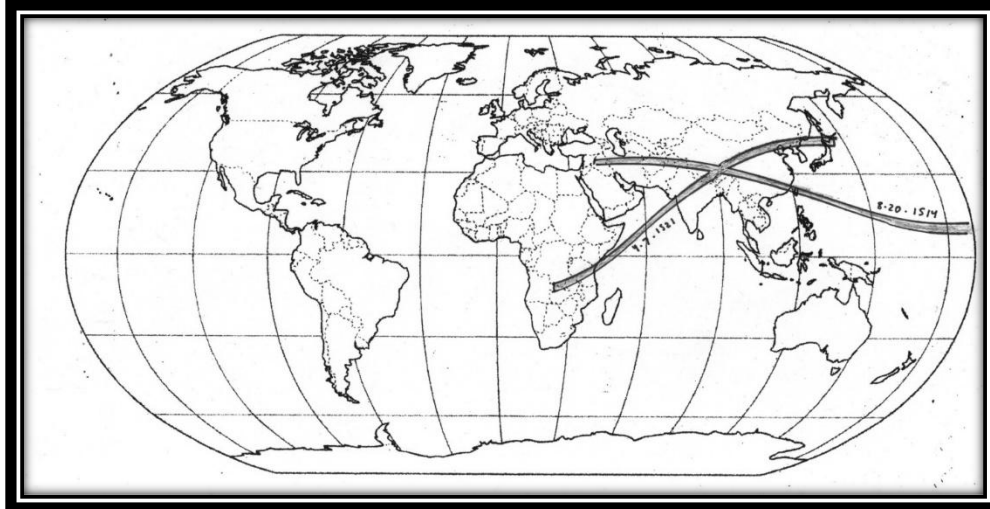
27. 1460 Jul 18 and 1467 Mar 6 China Ming Dynasty Cross

Hepton Cross with Apex in China just west of Beijing during time of several rebellions in the Ming Dynasty. There will be a similar shaped eclipse to the 7-18-1460 eclipse that travels from Seattle to Egypt exactly 400 years later on 7-18-1860, months before the Civil War. That eclipse is also part of a cross.



28. 1478 Jul 29 and 1485 Mar 16 Spain New World Eclipse Cross

Hepton Cross Apex hugs coast of Spain and Portugal encircling the nations(La Coruna Spain and Porto Portugal). It connects both North and South America as well as Europe and Middle east, including Luxor Egypt just before Spain travels to the Americas with Columbus seven years after the cross is completed. The 1478 eclipse passes over modern Washington DC, the last total eclipse to do so.



**29. 1514 Aug 20
and 1521 Apr 7
China opens to
the west Cross**

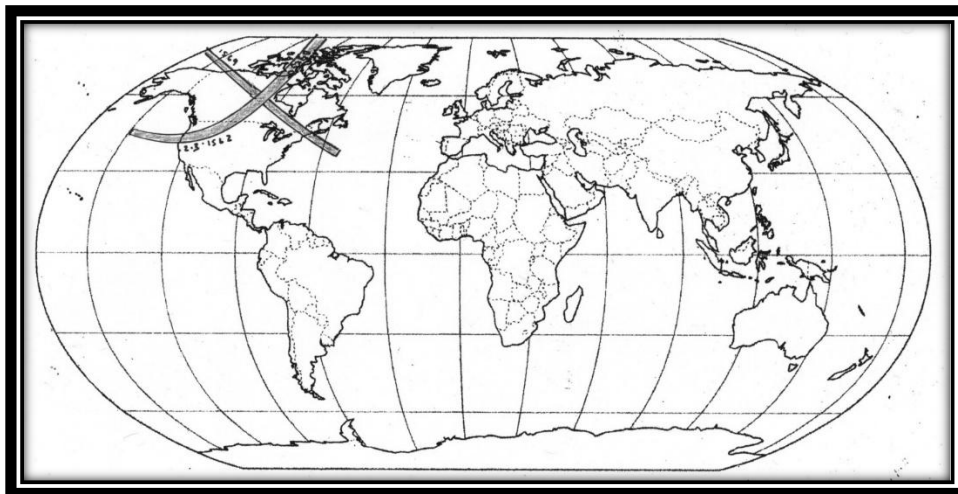
Hepton
Cross...Apex in
Southern China
--very similar
solar dates to
current USA
eclipses in 2017

and 2024 503 years and one day later.

The first delegation of Portuguese traders arrive in Canton China in 1517, at midpoint of eclipse cross, opening up China to the West.

Aug 20 1514 eclipse includes a Babylon(Iraq) Sunrise exactly 400 years and a day from Aug 21 1914 WWI eclipse and exactly 419 years and a day from Babylon Sunrise Aug 21 1933

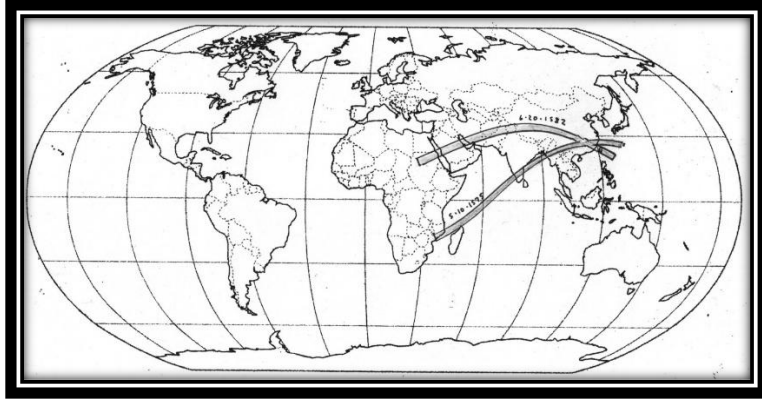
Exactly 537 eclipse years from USA eclipse Apr 8 2024.



30. 1562 Feb 3 1569 Sep 10 Canada Octon Cross

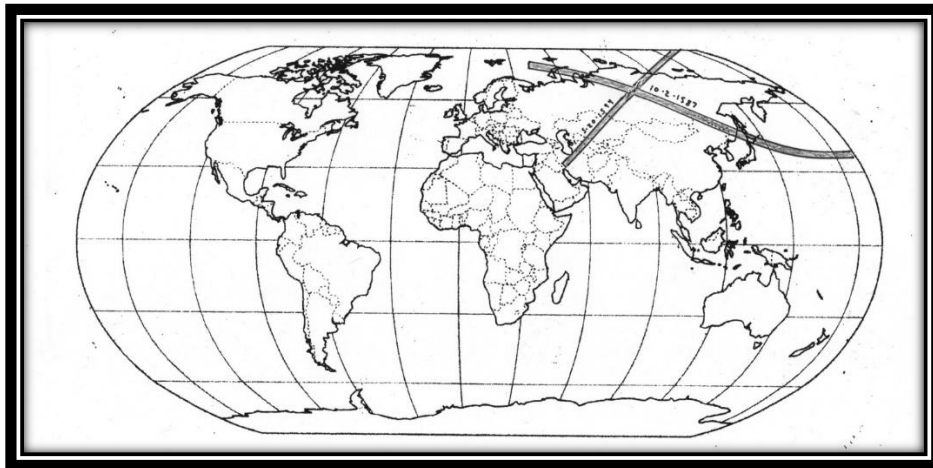
Canada Octon Cycle Eclipse. 1560 was the first year the term "Canada" was used on a map

...see similarity between this and Soviet Octon of 1961 Feb 15 and 1968 Sep 22 which occurred 299 years minus 12 days later.



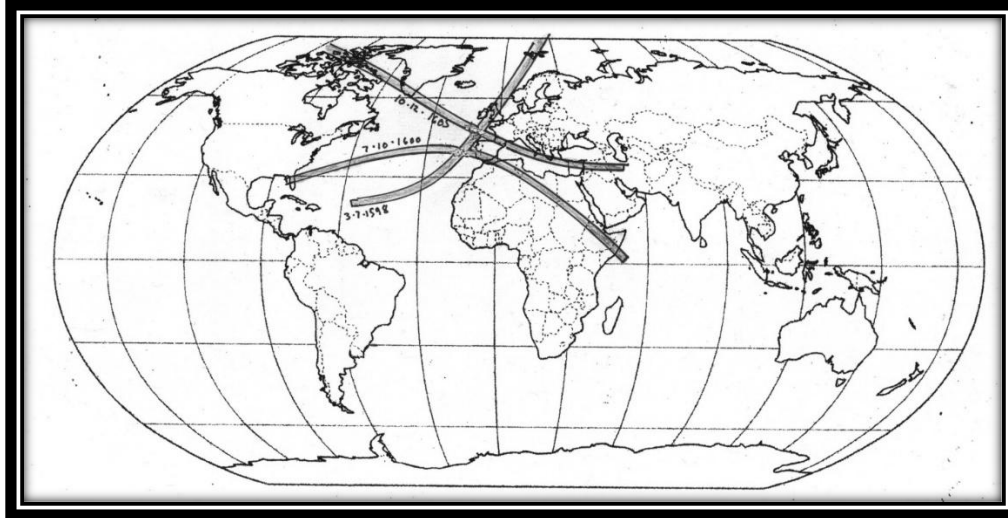
31. 1575 May 10 and 1582 Jun 20 China Cross

Hepton Cross- apex Eastern China.



32. 1587 Oct 2 and 1594 May 20 Siberian Cross One

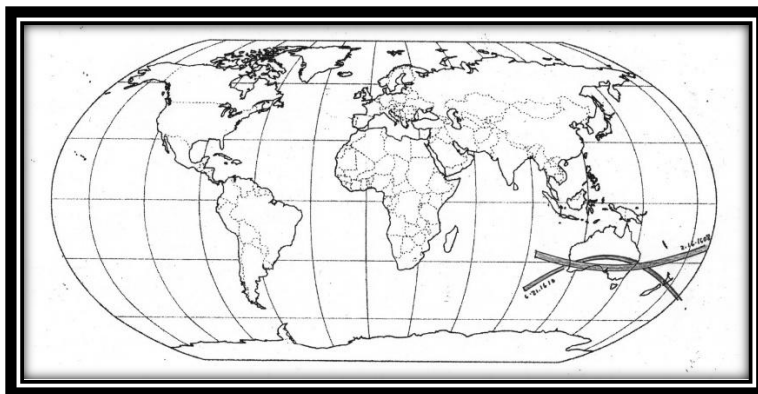
Hepton Cross with apex northern Siberia



33. 1598 Mar 7- 1600 Jul 10 - 1605 Oct 12 Spain and Britain War Cross

A Spain and Britain Double Cross centers on the nations while the two superpowers fight for the future of empire. Catholic vs. Protestant. Anglo vs. Latin. A fight for supremacy of the new world and the old. The Anglo-Spanish War officially ends in 1604.

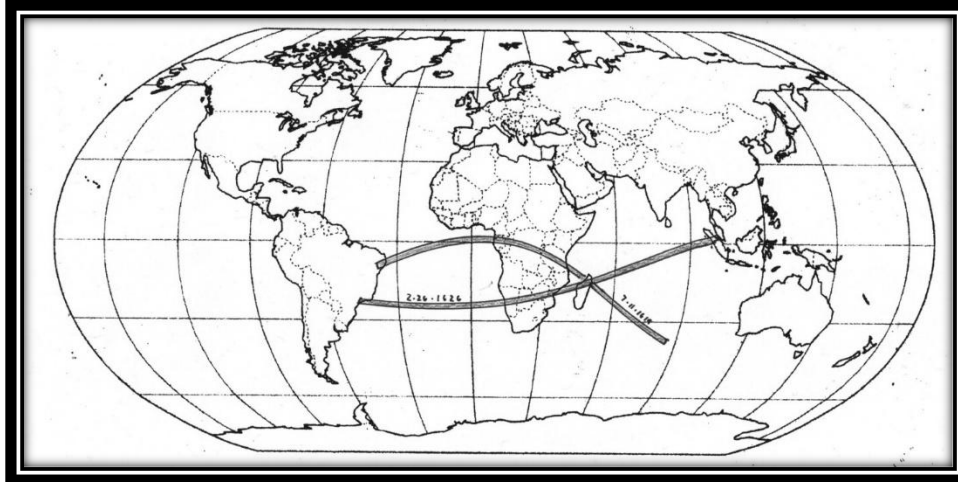
The eclipse of 1600 began at sunrise over Florida and featured totality at Cape Canaveral 369 years and 6 days before the moon launch.



34. 1608 Feb 16 1610 Jun 21 Australia Solstice Cross

Australia Double Apex Cross near modern Botany Bay in the east and Perth in the west. Dutch explorer Willem Janszoon first landed on the continent Feb 26 1606.

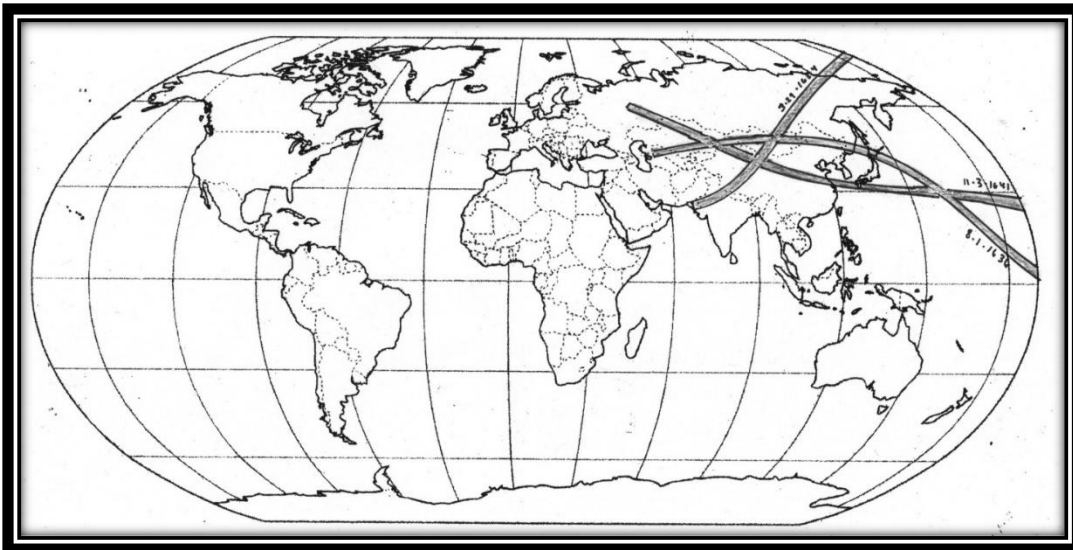
This is the only Total cross over Australia in the second millennium, and it intersects at two point on both east and west coasts within two years of European arrival.



**35. 1619 Jul 11
and 1626 Feb 26
Madagascar
Cross**

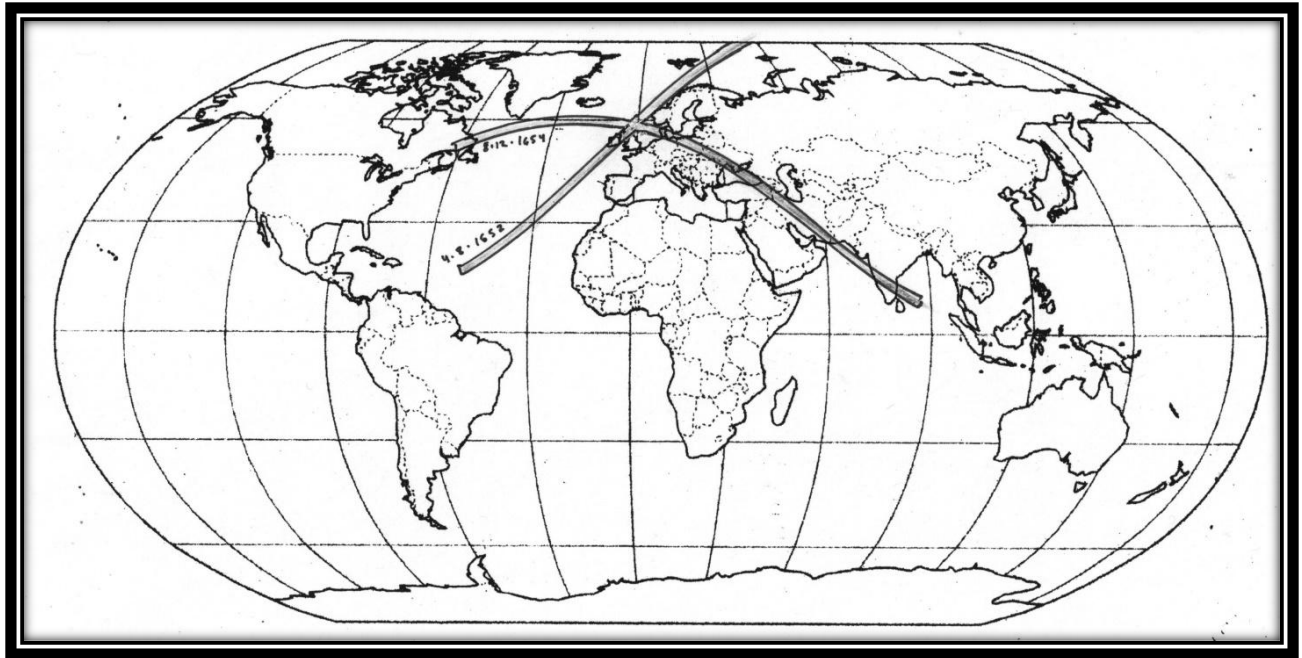
Hepton Cross.
Apex in
Madagascar, near
capital of
Antananarivo. .
Both eclipses
connect South

American coast and Africa...highlighting the slave trade.



36. 1634 Mar 29 1636 Aug 1 and 1641 Nov 3 Asian Triple Apex Cross

856-day Cross and Hepton. Three apexes connect Kazakhstan, Mongolia and China. Korea and Japan are within the “eye” of oval.



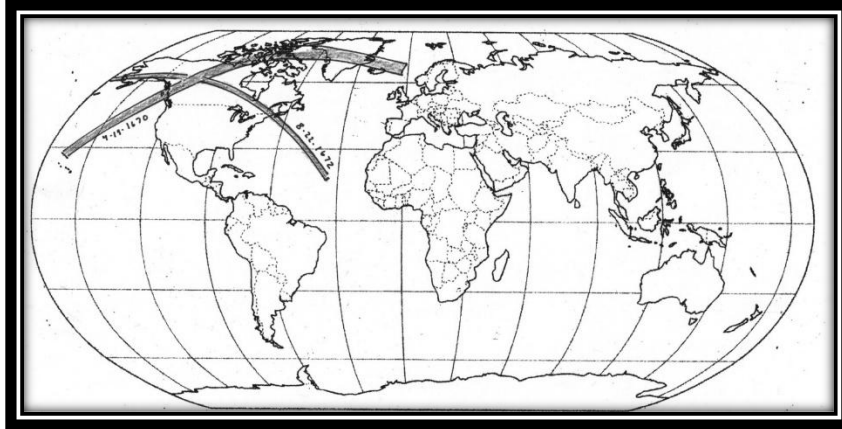
37. 1652 Apr 8 and 1654 Aug 12 Oliver Cromwell Tav

856 Day Cross with apex in Northern Britain over Scotland. The English Civil War raged from 1642 to 1651. The Anglo-Scot war was not over until 1653, between the two eclipses. King Charles was executed in 1649.

Oliver Cromwell rose to prominence in these wars and achieved title of Lord Protector of Britain from 1653 until his death in 1658.

Cross occur 300 years minus 44 days from the Shahrud Tav with apex in Iran of Feb 25 1952 and Jun 30 1954, which occurred on either side of the placement of the Shah in power in Iran in 1953, largely with help from US and Britain (and British Petroleum).

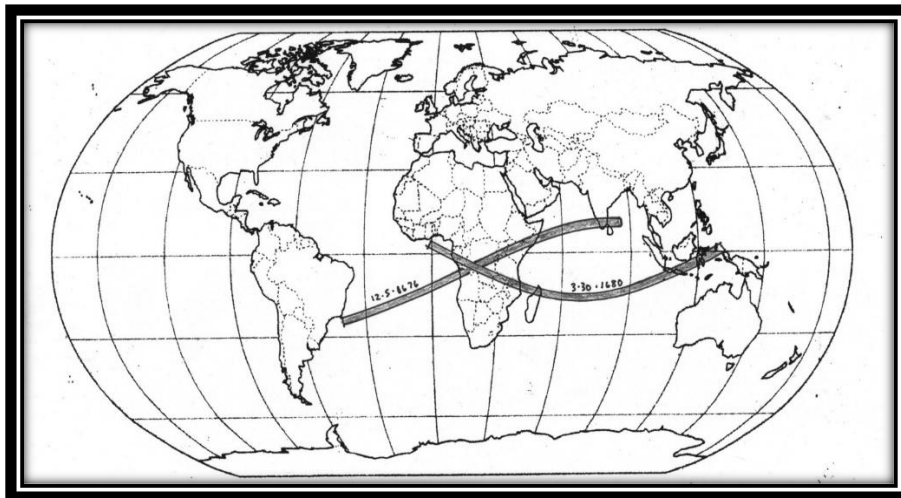
Note how the 1654 eclipse connects Britain and Iran. The 1954 eclipse connected the US and Iran.



38. 1670 Apr 19 and 1672 Aug 22 Great Slave Lake Canada Eclipse

856-day Cross apex in northern Canada near Great Slave Lake.

Hudson Bay Company, the fur-trade monopoly largely responsible for the conquest of the Canadian frontier, was incorporated May 2 1670, two weeks after the first eclipse.



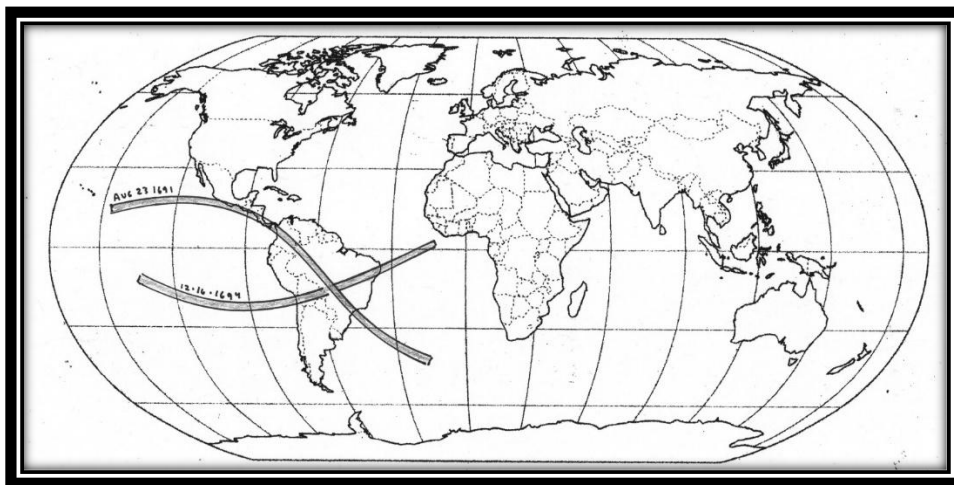
39. 1676 Dec 5 and 1680 Mar 30 Congo Two Cross

856-day Cross with apex near modern Kinsasha, Congo.



40. 1688 Apr 30 and 1690 Sep 3 Siberia East Cross

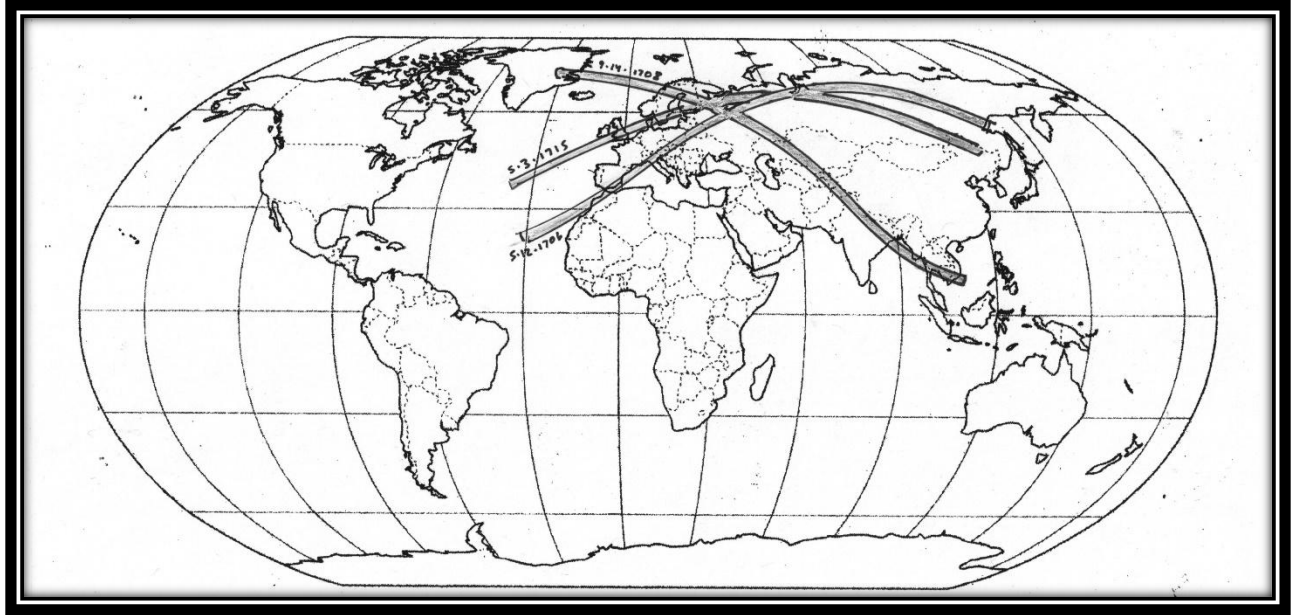
856 Day Cross Siberian coast



41. 1691 Aug 23 and 1694 Dec 16 Brazil Gold Rush Cross

Hexon Cycle Cross-3 eclipse years—1040 days apart. Apex in Brazil. The Brazilian Gold Rush began in 1690, sparking a vast increase in the importation of African slaves.

The 1691 eclipse exits East coast of Brazil right between Sao Paulo and Rio de Janeiro. Rio was the largest slave port in the history of the world.

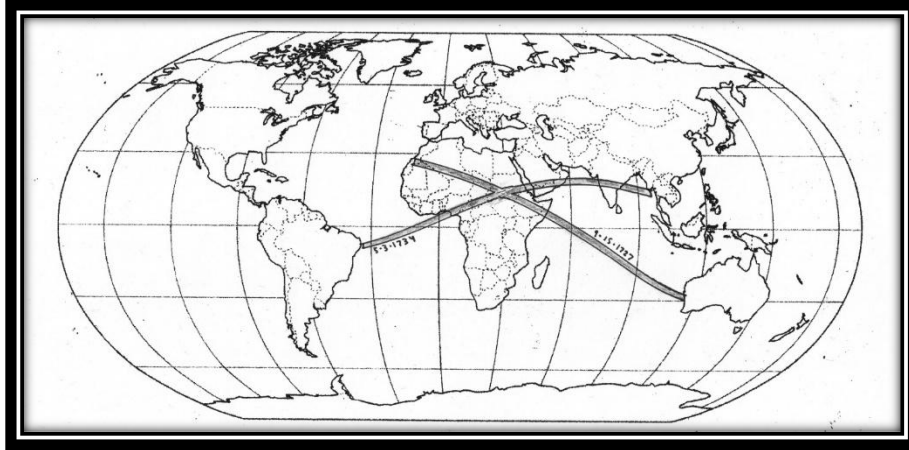


42. 1706 May 12 -1708 Sep 14- 1715 May 3 Peter the Great Russian Triple Apex Cross

856 Day and Hepton Crosses.

Peter the Great- Russian Crosses...Moscow and St. Petersburg in western area of apexes. Apexes over the cities of western Russia during the reign of Peter the Great (who reigned 1682 to 1725) and who truly opened Russia/European relations. Britain, Spain and Scandinavia are also joined together by the trio.

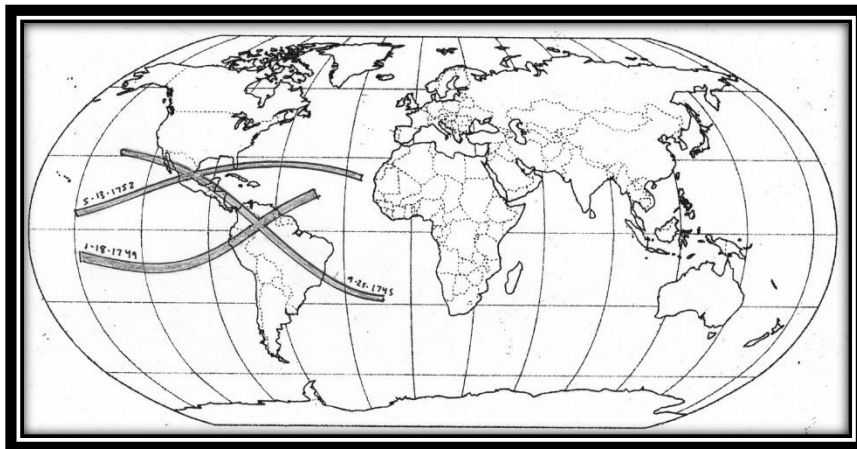
The 1715 May 3 eclipse over Britain, Scandanavia and Russia was the first accurately predicted solar eclipse in history (mapped in London by Edmund Halley). That eclipse is in 300 minus 44 relatiion with the 2015 Mar 20 North Pole eclipse.



43. 1727 Sep 15 1734 May 3 Khartoum Hepton Cross

The Khartoum Hepton Cross. Apex near modern Khartoum Sudan.

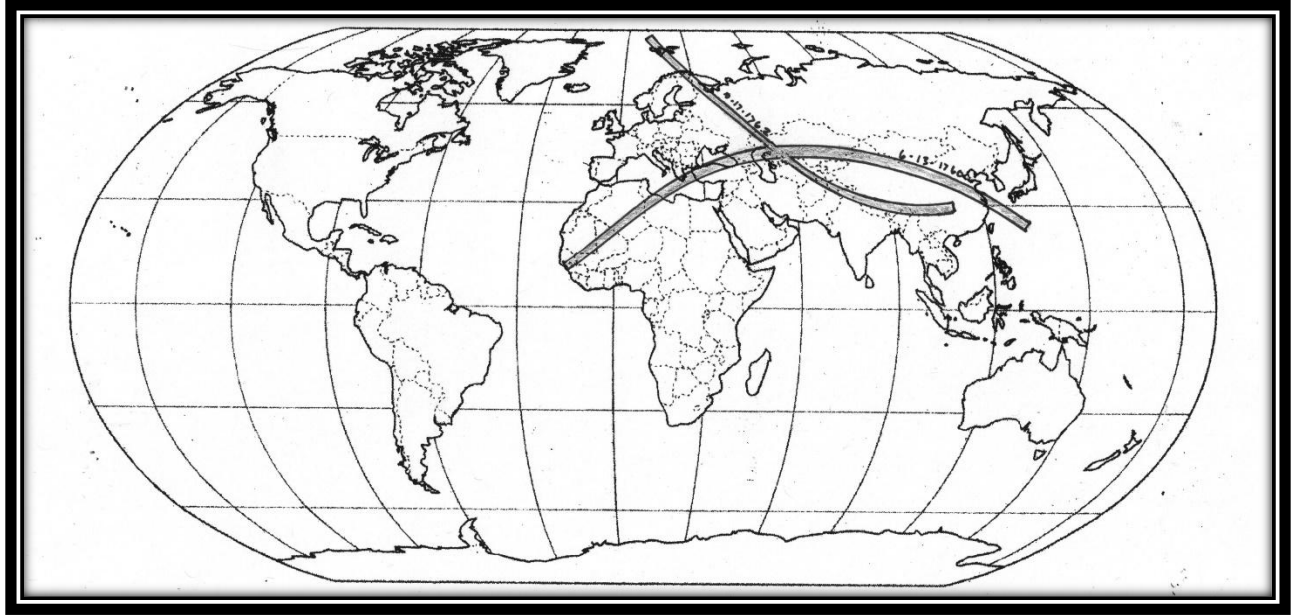
1727 and 1734 eclipses are in a 300/44 relation with 2027 and 2034 Mideast Hepton Cross. They are exactly 300 years minus 44 days apart. A very long cycle that produces similar shaped eclipses. Compare the two and see.



44. 1745 Sep 25 1749 Jan 18 1752 May 13 Latin America Double Cross

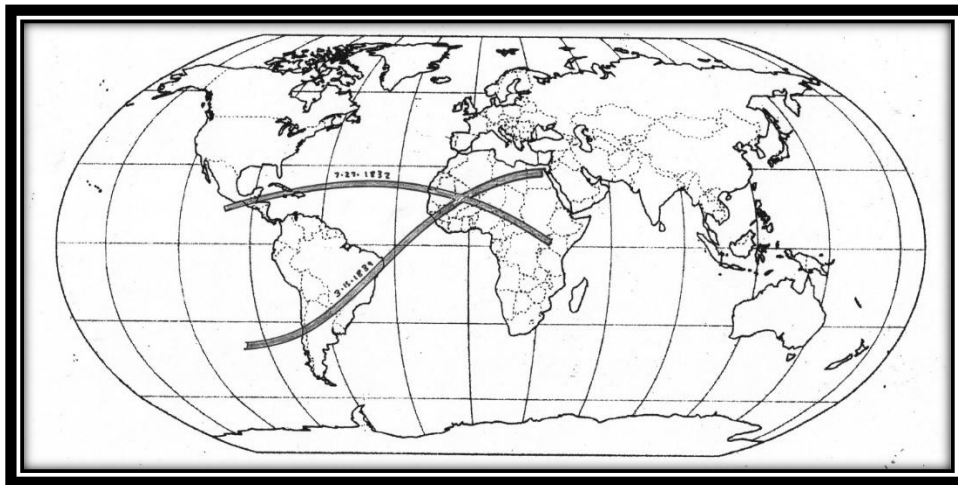
Almost Aleph Hexon/Hepton Cycle Crosses

Apexes near Tampico Mexico and borders of Colombia/Venezuela/Brazil. The only total eclipse cross in Central America in the last millennium.



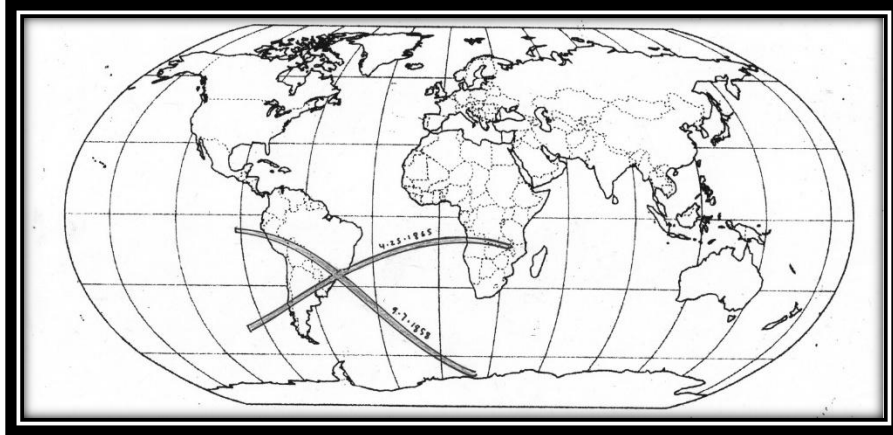
45. 1760 Jun 13 and 1762 Oct 17 Caspian Cross

856 Day Cross Caspian Sea/ Western Kazakhstan



46. 1832 Jul 27 and 1839 Mar 15 Timbuktu Cross

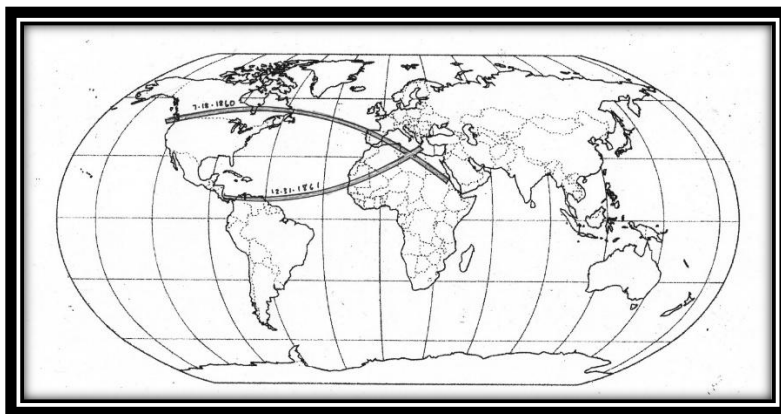
Hepton Cross with apex near mysterious city of Timbuktu, Mali. Europeans first reached Timbuktu in the early 19th century.



47. 1858 Sep 7 and 1865 Apr 25 Rio de Janeiro Slavery Cross

Hepton Cross with apex at Rio de Janeiro. Eclipses bracket the American Civil War which ended slavery. Apex at the largest slave port in human history, Rio de Janeiro.

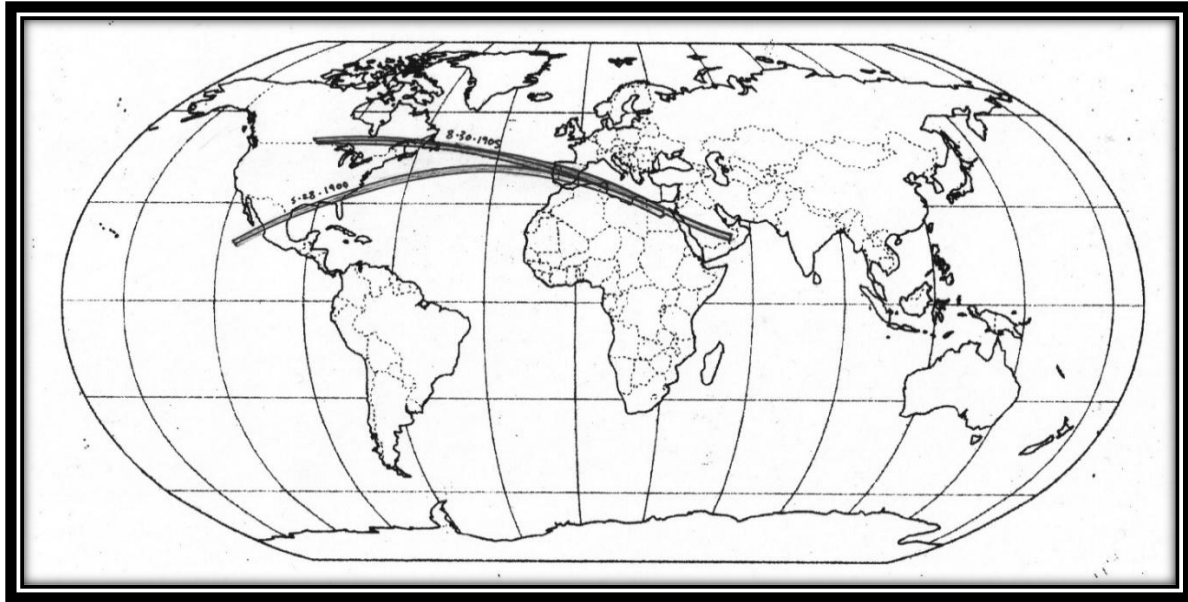
The second line of the cross on 1865 Apr 25 occurs ten days after the death of Abraham Lincoln, the man most singly responsible for creating the momentum for the end of human slavery in the western hemisphere. That eclipse goes directly over Rio on its way to Angola, the source of the first slaves to arrive in North America. Lincoln was shot April 14 1865 and died the next morning. Slavery would finally be outlawed in Brazil May 13 1888, the last nation in the western hemisphere to abolish it.



48. 1860 Jul 18 and 1861 Dec 31 Tripoli Cross

A 531 day Cross, which is one lunar year (354.3 days) plus one semester eclipse season (177 days). Apex very near Tripoli, Libya.

The 1860 eclipse featured totality in Seattle, Spain and Egypt and was the last US total before the US Civil War.



49. 1900 May 28 and 1905 Aug 30 Special Spain/Egypt Conjunction

Not really a cross, but an extraordinary intersection of two total eclipses from North America to Spain to Egypt to Mecca unlike anything else in the millennium. The 1900 May 28 eclipse was the first of the 20th century and is discussed in detail elsewhere. It occurred 17 years and one day before the birth of JFK, and featured totality in New Orleans and Charleston before traveling on to Spain and Egypt.

The 1905 brought totality to the Valley of the Kings in Luxor Egypt and the holy city of Mecca, just as the 2027 eclipse will.

For two thousand miles, the eclipse paths overlap each other, apparently unprecedented in the last thousand years for an overland eclipse, and it occurs along some of the most important areas in all human civilization.

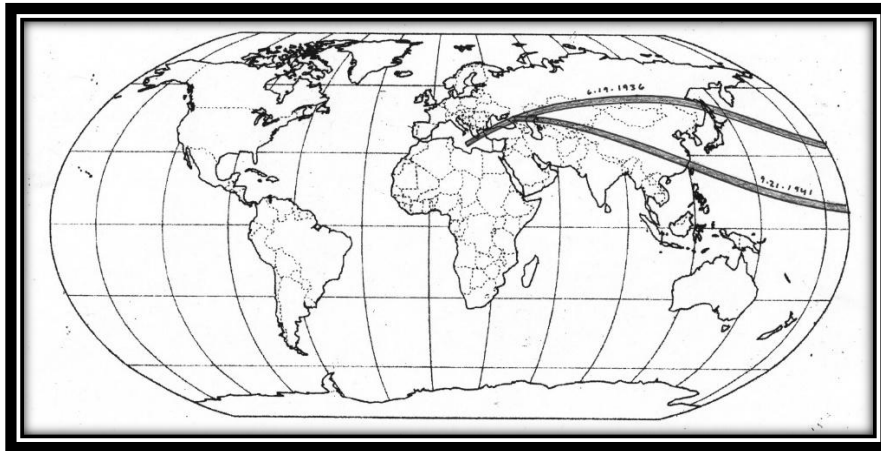


50. 1912 Apr 17 and 1914 Aug 21 Titanic/World War One Cross

Hepton Cross. The full path connects both hemispheres in both eclipses, the path intersects the Titanic Eclipse of Apr 17 1912 near Stockholm Sweden. The 1914 eclipse travels upper left to lower right.

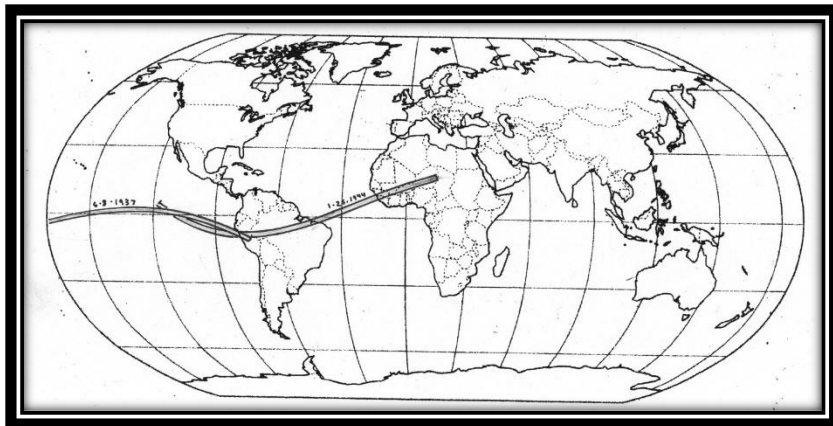
The Titanic Eclipse April 17 1912 - Saros 137 60 hours after the sinking of the Titanic on the night of April 14/15 1912, a solar eclipse occurs in the Atlantic, through Europe and deep into Russia. A great solar eclipse marking the most famous man-made disaster of all times, the legendary sinking of the Titanic, the largest ship ever launched, the symbol of modern technology, the "unsinkable". She was sent to a watery grave on her maiden voyage along with more than 1,500 people. Path goes just south of Southampton, England (90% coverage) where Titanic launched a week before. 35% coverage at the site of the disaster in Atlantic southeast of Newfoundland. 18% coverage at intended harbor of New York. Path cuts a foreboding shadow across Europe two years before World War One. Stripe of Totality divides metropolitan Paris. Larger path of annularity goes through France, Belgium, Germany, Baltics, and Russia.

1914 Aug 21 Total World War One Eclipse Europe/Mideast- Saros 124 One of the most clearly ominous eclipses of all time. In the first weeks of World War I, a total solar eclipse descends from the Northern latitudes above North America and divides the Eurasian land mass. The first British soldier in World War One dies that very day in 1914). Two weeks before the First Battle of the Marne. Empires affected include the Ottoman, Persian, British, French, German, Russian and Austro-Hungarian empires. Scandinavia split in half. Great cities in totality include Kiev, Karachi, Pakistan and the ancient city of Nineveh (modern-day Mosul) in Iraq.



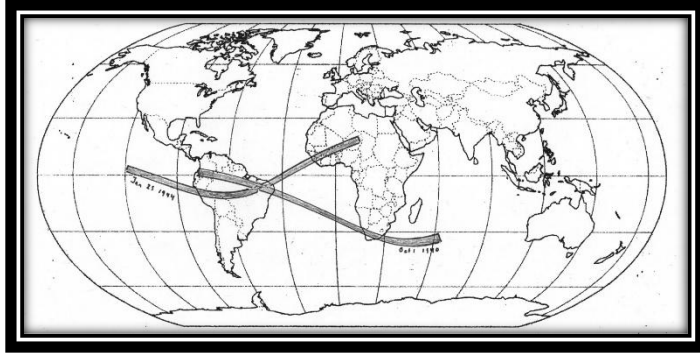
51. 1936 Jun 19 and 1941 Sep 21 World War Two Black Sea Conjunction

1920-day Cross. The same two Saros eclipses in the last intersection of this type (1900 and 1905) return, this time intersecting toward their sunrises on the eastern shore of the Black Sea. Apex eastern edge of the Black Sea. Obviously these eclipses bracket the beginnings of WWII, with the intersection completed 3 months after Germany invades the USSR.



52. 1937 June 8 and 1944 Jan 25 Peruvian Cross

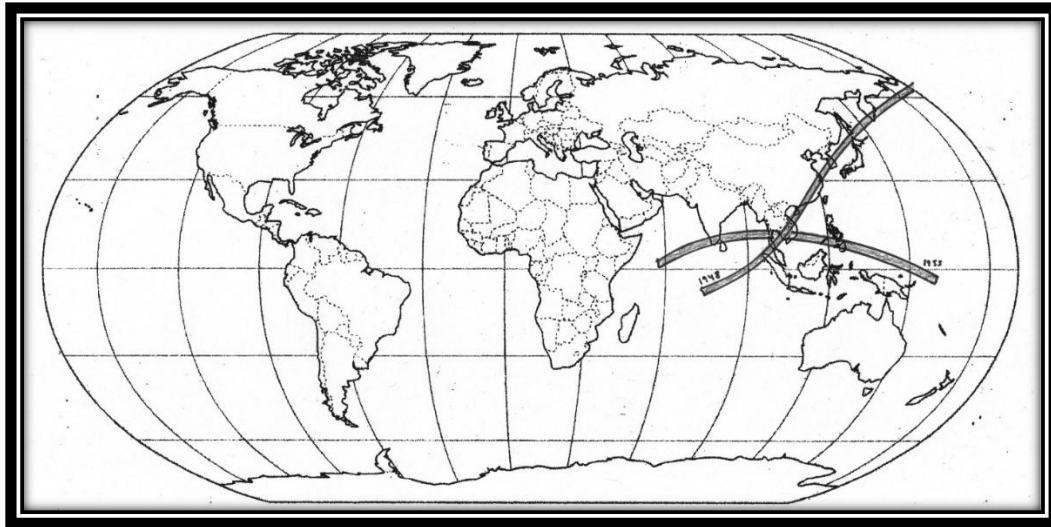
Hepton Cross (though barely one). Apex in northern Peru, near the coast.



**53. 1940 Oct 1 and 1944 Jan 25
Brazilian Cross**

856-day Cross with apex in northern Brazil.

Oct 1 1940 is 8 days before birth of John Lennon.



54. 1948 May 9 and 1955 Jun 20 Southeast Asia War Cross

Two extraordinary eclipses cross an extraordinary place at a pivotal moment in human history. These two eclipses frame the beginnings of the Vietnam and Korean wars. It is the only cross over southeast Asia in the last thousand years.

The May 9 1948 eclipse was the strongest non-total ring of fire of all time, featuring, get this, 99.999% totality. It split Korea in half two years before the war between North and South Korea.

The 1955 June 20 total eclipse was the longest solar eclipse of the millennium, at 7 minutes, 7 seconds. It crossed Vietnam and Cambodia the very year that the Vietnam War officially starts.

Intersection of these eclipses occurs on the Vietnam/Cambodia borders, between Phnom Penh and Saigon (now Ho Chi Minh City).

This eclipse, like the WWI Cross, defies all mutters of coincidence. It turns out the next one does too.

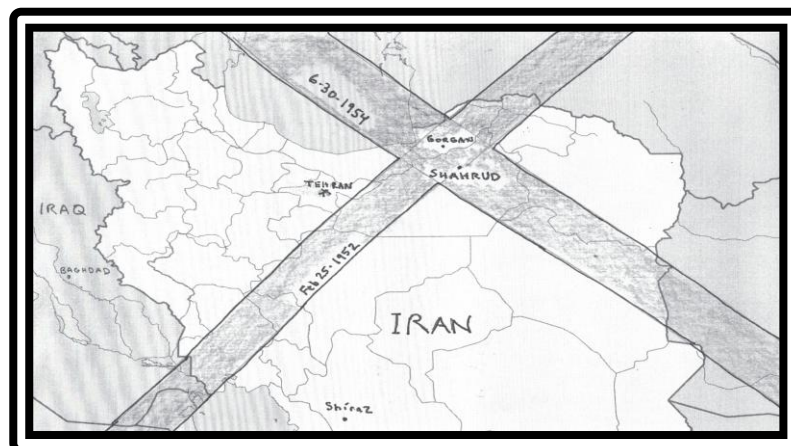


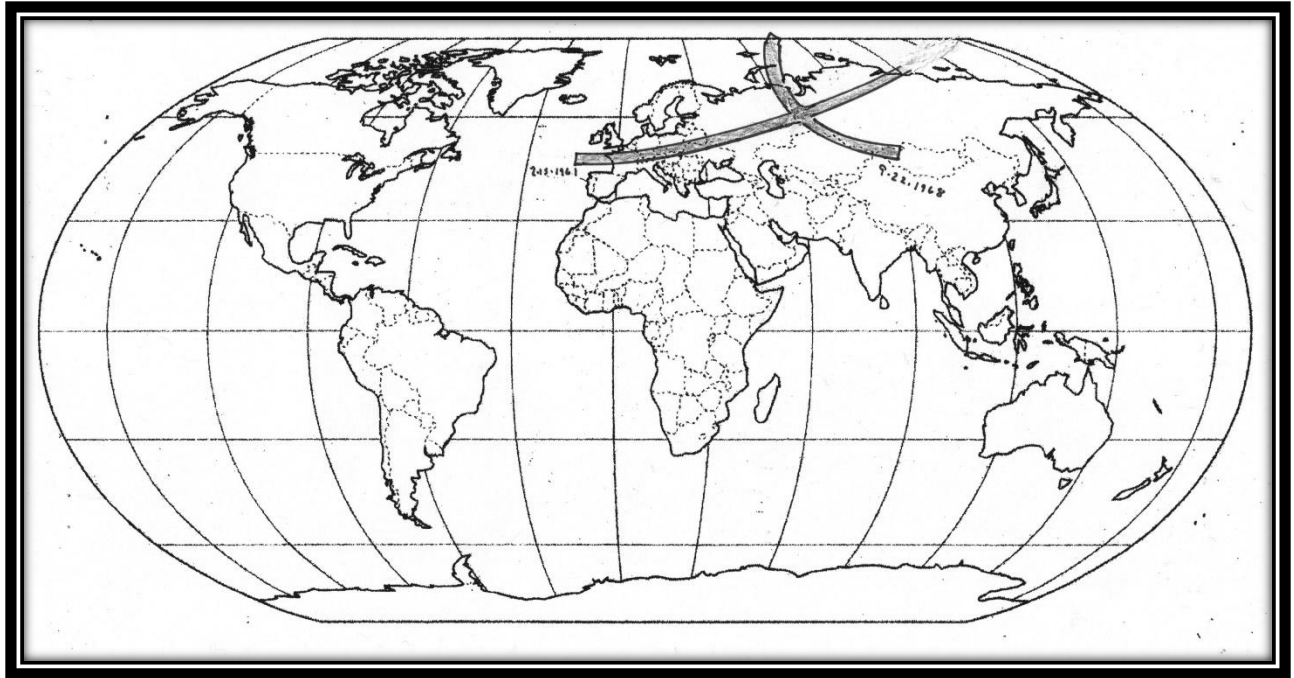
55. 1952 Feb 15 and 1954 Jun 30 Shahrud Tav Iran

856 Day Cross. A Western backed coup in August 1953 installed Shah Reza Pahlavi over a democratically elected government of Iran. The Coup is nestled between successive total eclipses with intersection over city of Shahrud (literally "city of the Shah").

1952 Feb 25 Total Eclipse (Saros 139) Total eclipse traverses Africa (Totality in Khartoum), then crosses Arabia (totality in Jeddah), crosses Iraq near Basra, and then Iran (totality in Shahrud Iran) ends in Russia. 1952 saw upheaval in Iran, leading to the US backed coup of August 1953 that installed the Shah.

1954 June 30 Total Eclipse USA Ukraine Iran (Saros 126) Path starts in USA (Nebraska crosses the Atlantic, dives through Scandinavia into the Iron Curtain of the Eastern USSR (totality in Kiev, Ukraine)...intersects with last total eclipse over city of Shahrud, Iran. Goes over Afghanistan, and Pakistan (totality in Quetta) before ending in India.

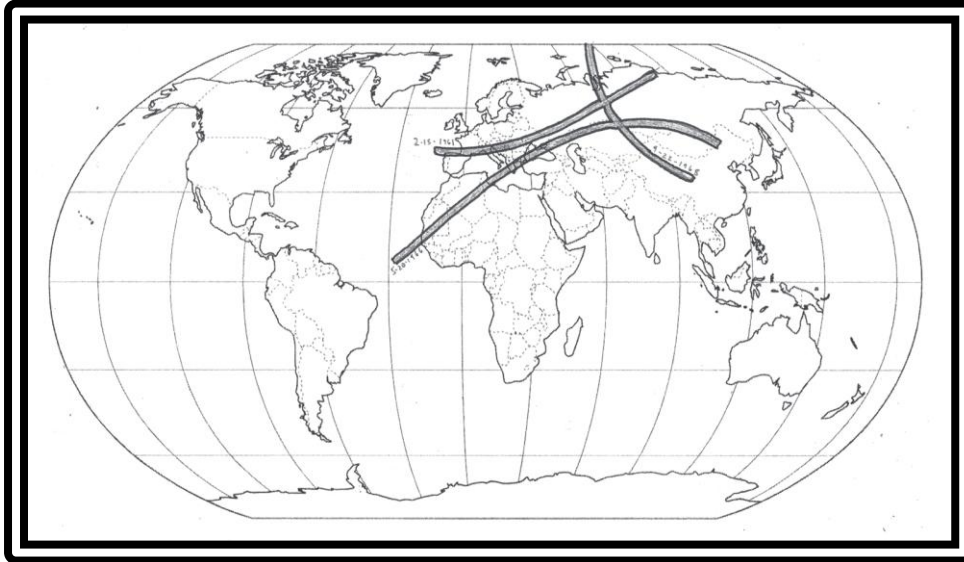




56. 1961 Feb 15 and 1968 Sep 22 Soviet Octon Cross

Octon Cross (2776 days or Eight eclipse years or two sets of eight eclipse seasons) which equals 7 years 7 months and 7 days.

Apex in central USSR at height of the Cold War. The first eclipse occurs 6 months after Berlin wall was begun. The second occurs one month after invasion of Czechoslovakia. Part of a three eclipse swarm, including May 20 1966 Ring of Fire.



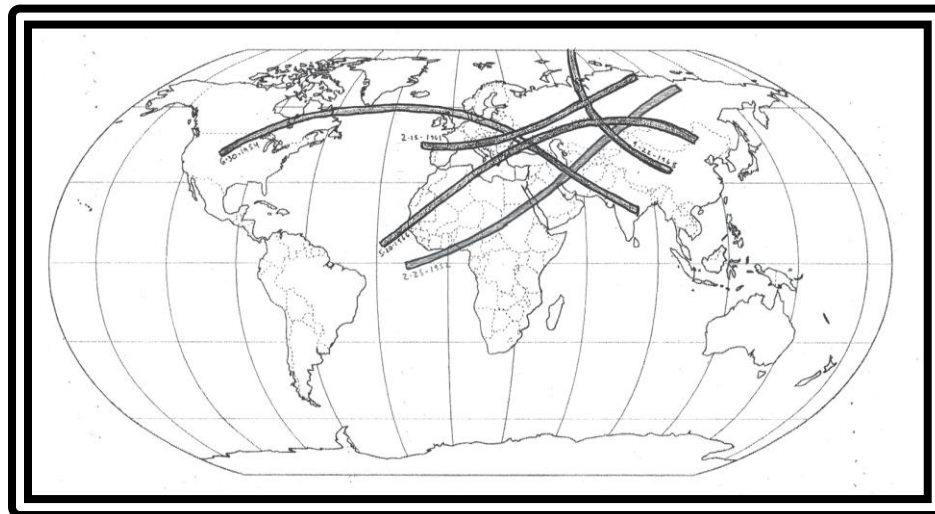
USSR eclipse Swarm

1961 to 1968 USSR Octon Trident (above)

1961 Feb 15 Total France through USSR -Saros 120

1966 May 20 Ring of Fire Columbus Death Metonic- Saros 137

1968 Sep 22 Total Fall Equinox USSR to China (Saros 124)



Full USSR Swarm 1952 to 1968 (above)

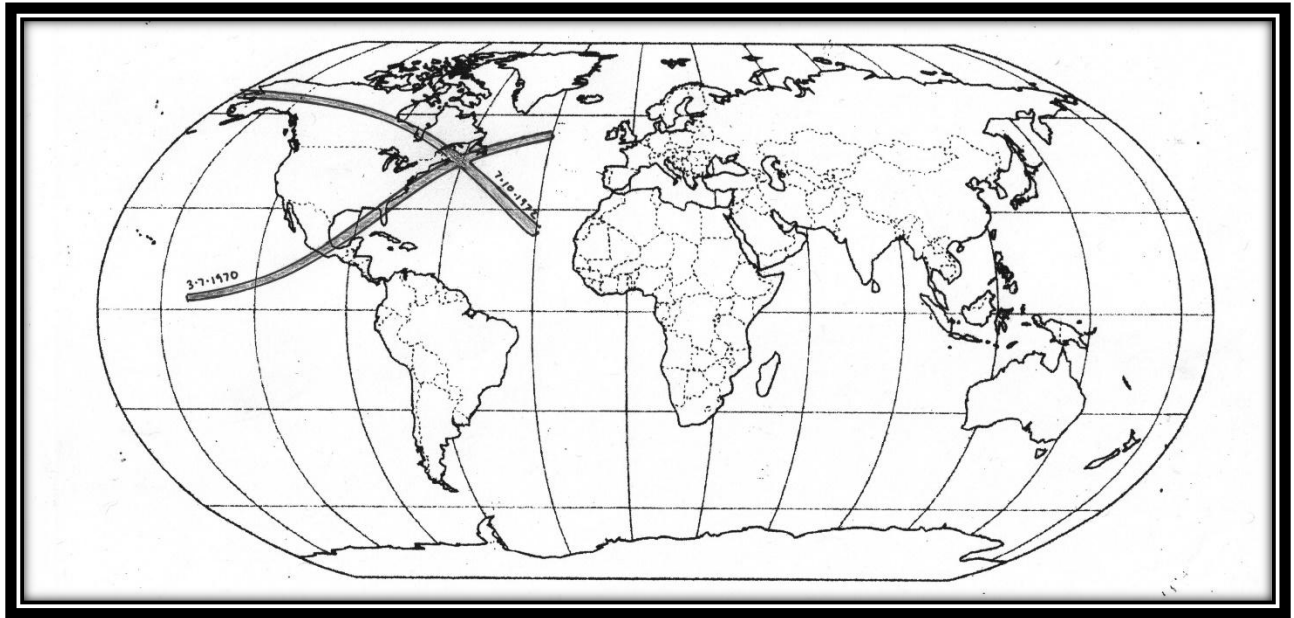
1952 Feb 25 Africa/ Iran/ USSR Total (Saros 139)

1954 Jun 30 USA to USSR Total (Saros 126)

1961 Feb 15 France through USSR Total (Saros 120)

May 20 1966 Columbus Death Metonic Ring of Fire (Saros 137)

Sep 22 1968 Fall Equinox USSR to China Total (Saros 124)



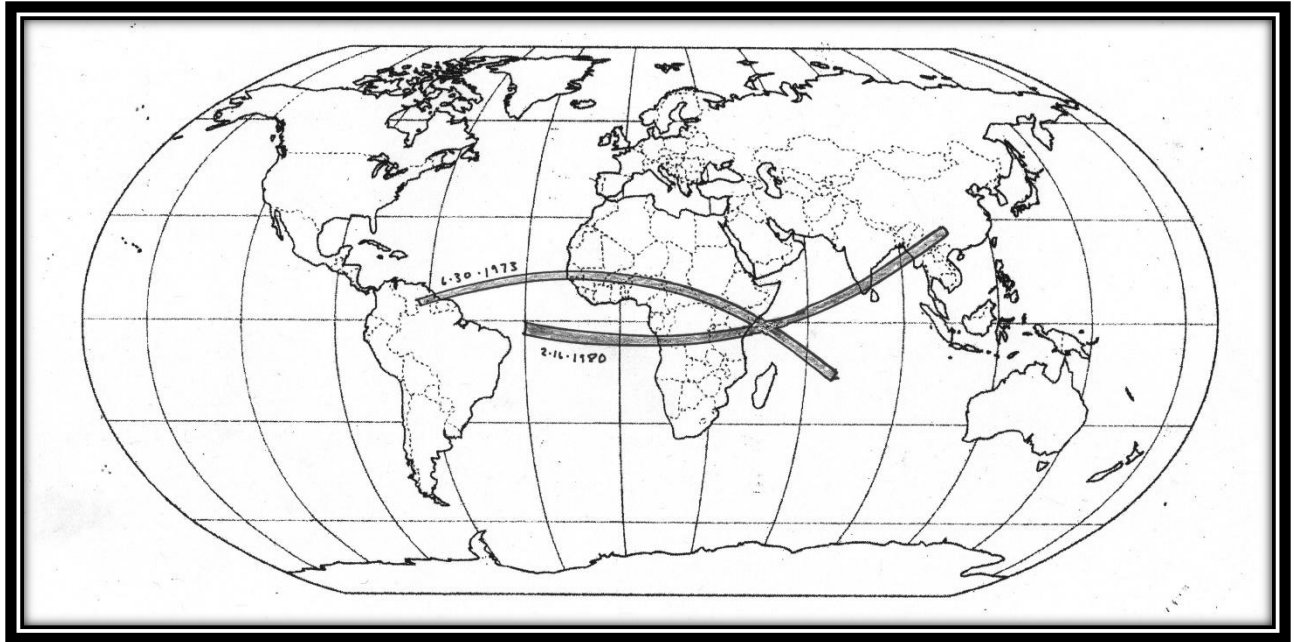
57. 1970 Mar 7 and 1972 Jul 10 “You’re So Vain” Nova Scotia Cross

856 Day Cross. The “You’re so Vain” Cross, with apex near Halifax, Nova Scotia. The only solar eclipse to be specifically commemorated in a popular song was the Jul 10 1972 total eclipse.

Carly Simon had a huge hit with “You’re so Vain”, which spent three weeks at number 1. It includes the lyric: “You flew your Learjet up to Nova Scotia to see a Total Eclipse of the Sun”.

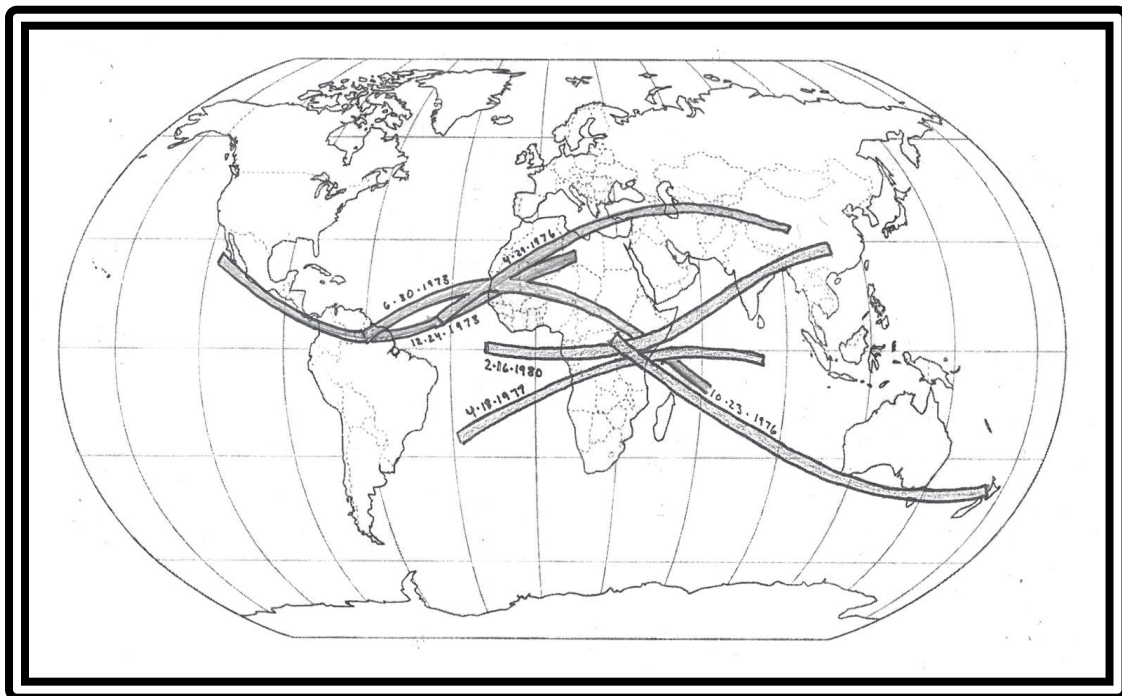
The 1970 eclipse was the last total to touch the eastern US eastern for 47 years. It was in Hepton Cross relation with the 1963 US eclipse four months before JFK association, but the apex was a few hundred miles out to sea.

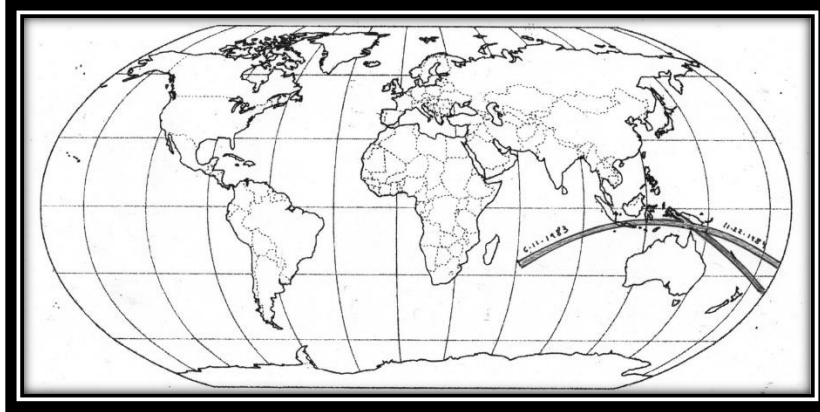
Described in detail elsewhere.



58. 1973 Jun 30 and 1980 Feb 16 African Hepton Cross

Hepton Cross. The first Hepton Cross to have an apex touch land since 1865. Apex on the coast of Kenya, extending into the Indian Ocean. Part of a tremendous swarm in Africa over the course of 7 years. **Pictured Below. African Swarm**

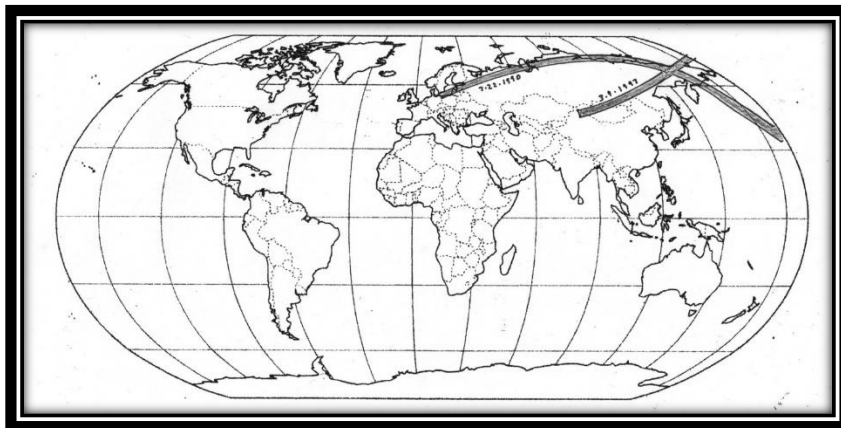




59. 1983 Jun 11 and 1984 Nov 22 New Guinea Cross

531-day Cross with apex over New Guinea. The only Cross over the great islands of Indonesia, or Melanesia in the last thousand years. The second eclipse occurs Nov 22, the 21st anniversary of JFK assassination and travels over the site of the sinking of PT-109 in 1943, which featured the heroics of Kennedy.

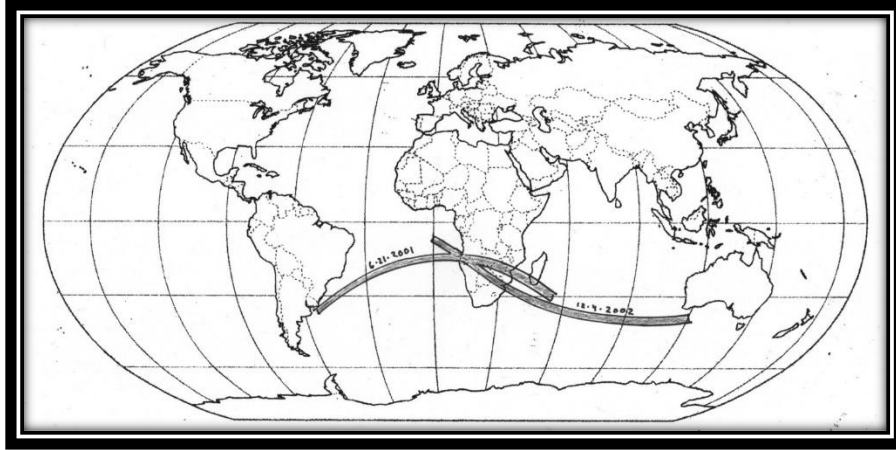
The 1984 eclipse is looked at in JFK section.



60. 1990 Jul 22 and 1997 Mar 9 End of USSR Siberian Cross

Hepton Cross. Extreme Northeastern Russia. USSR dissolved January 1991, six months after 1990 cross-country total eclipse.

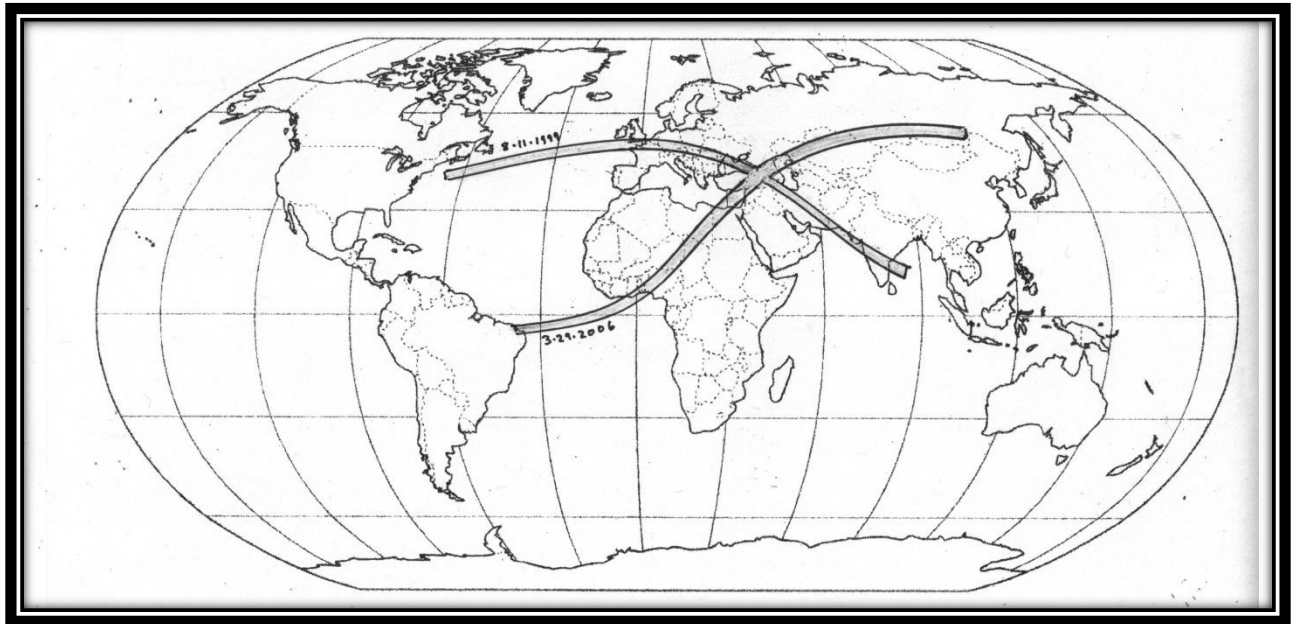
Very similar Cross to **1688 Apr 30** and **1690 Sep 3 Cross** (1690 Eclipse is in 300 year minus 44 day relation)



61. 2001 June 21 and 2002 Dec 4 Angola New Millenium

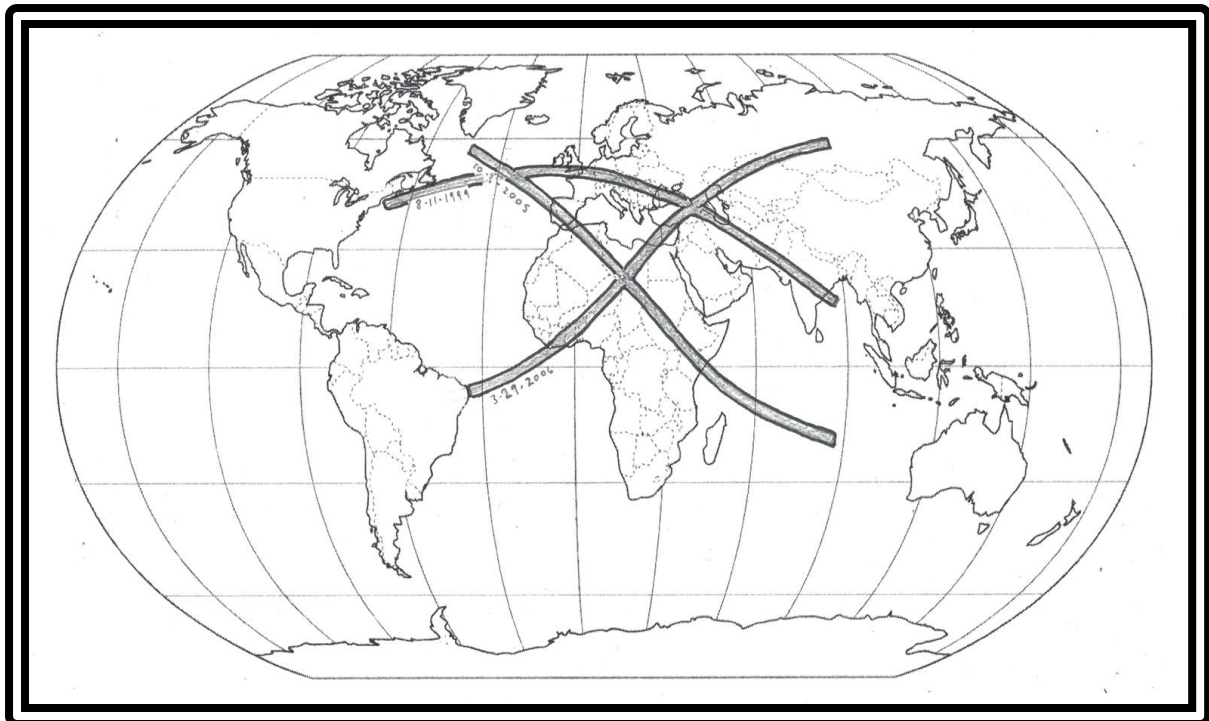
531 Day Cross. Apex in SW Angola. The first two total eclipses of the Second Millenium.

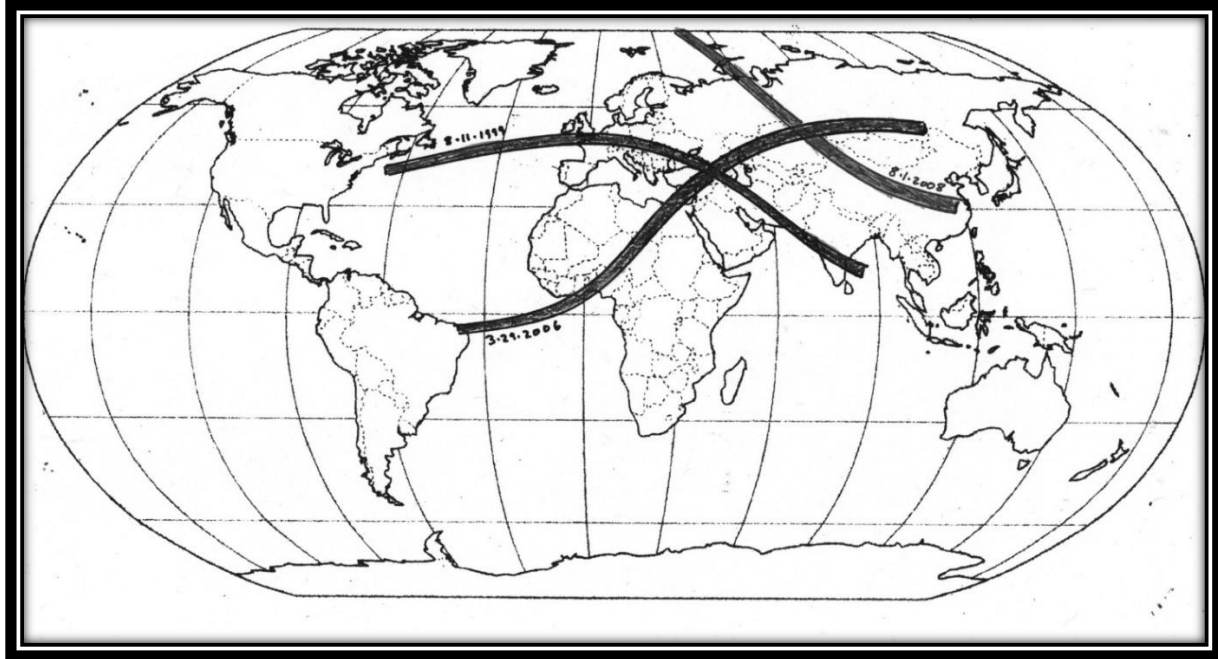
The last total eclipse before Sept. 11 2001 and the first total eclipse after 9-11 intersect in Angola, the home of the first slaves brought to the USA in 1619.



62. 1999 Aug 11 and 2006 Mar 29 Turkish Tav

Hepton Cross. The last solar eclipse of the second millennium was Aug 11 1999, and it was one of the greatest eclipses of all time. See details elsewhere. It intersects with Mar 29 eclipse near Tokat Turkey. There was also a profound ring of fire 2005 Oct 3, which creates the Aleph seen below.

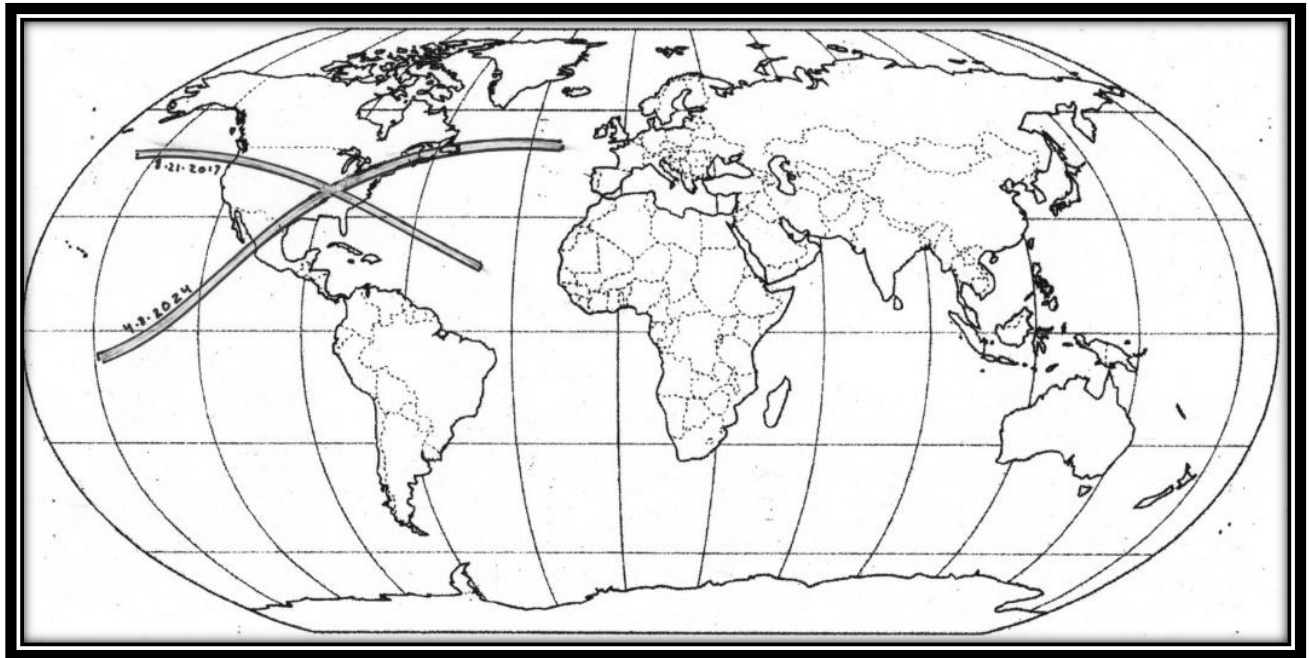




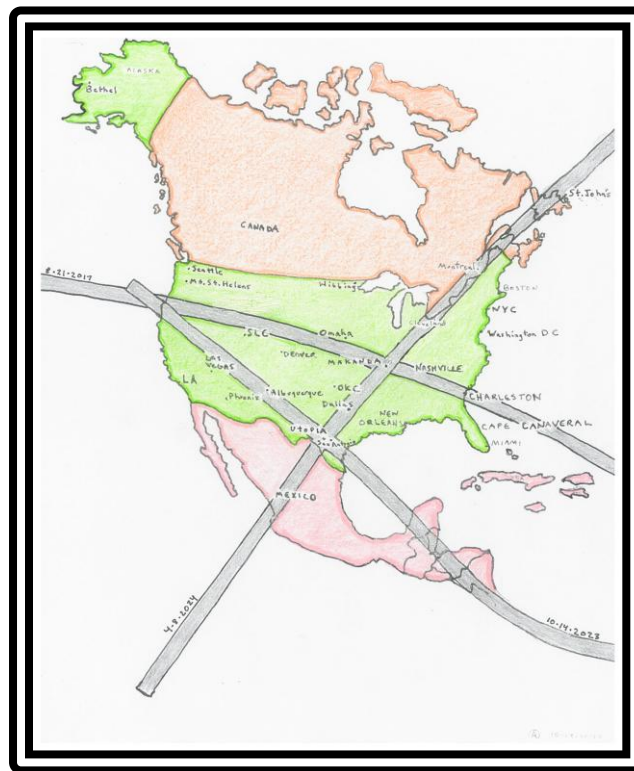
63. Turkish Tav with Kazakh Cross 1999 Aug 11-2006 Mar 29, and 2008 Aug 1

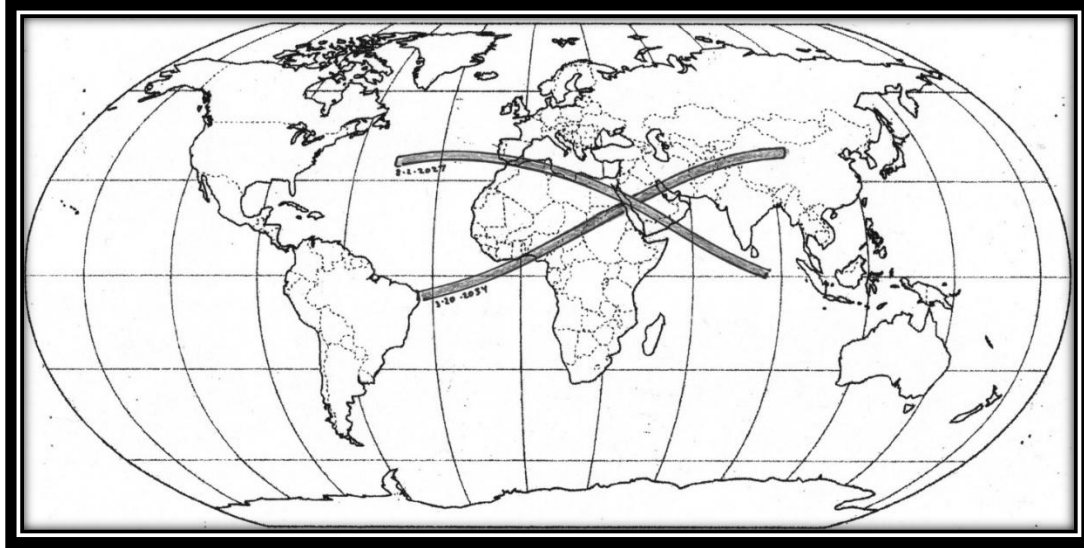
The Turkish Hepton Tav is intersected by an 856 day cross on Aug 1 2008 with an apex in upper Kazakhstan near mysterious capital of Astana.

This is the last total eclipse to touch Russia until 2060.



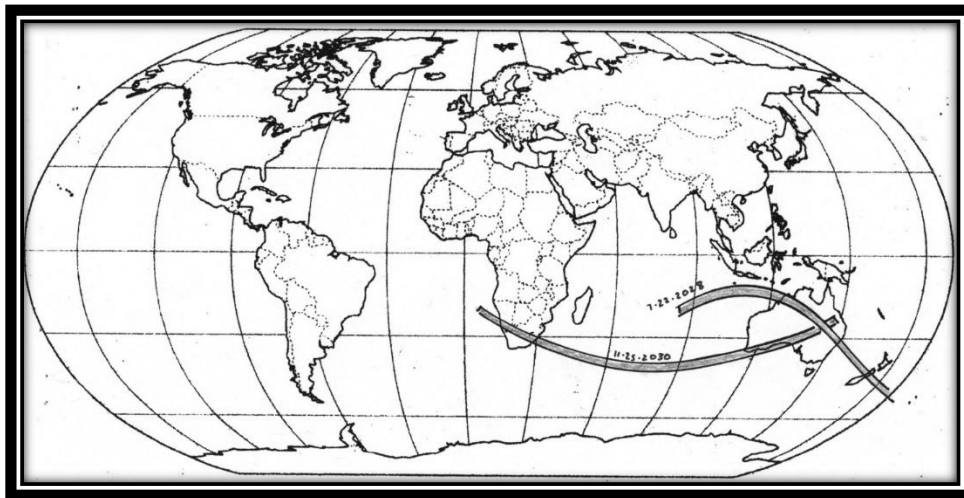
64. 2017 Aug 21 and 2024 Apr 08 USA Hepton TavHepton Cross described in detail elsewhere. Apex in Little Egypt Illinois. It also creates an Aleph with 2023 eclipse seen below.





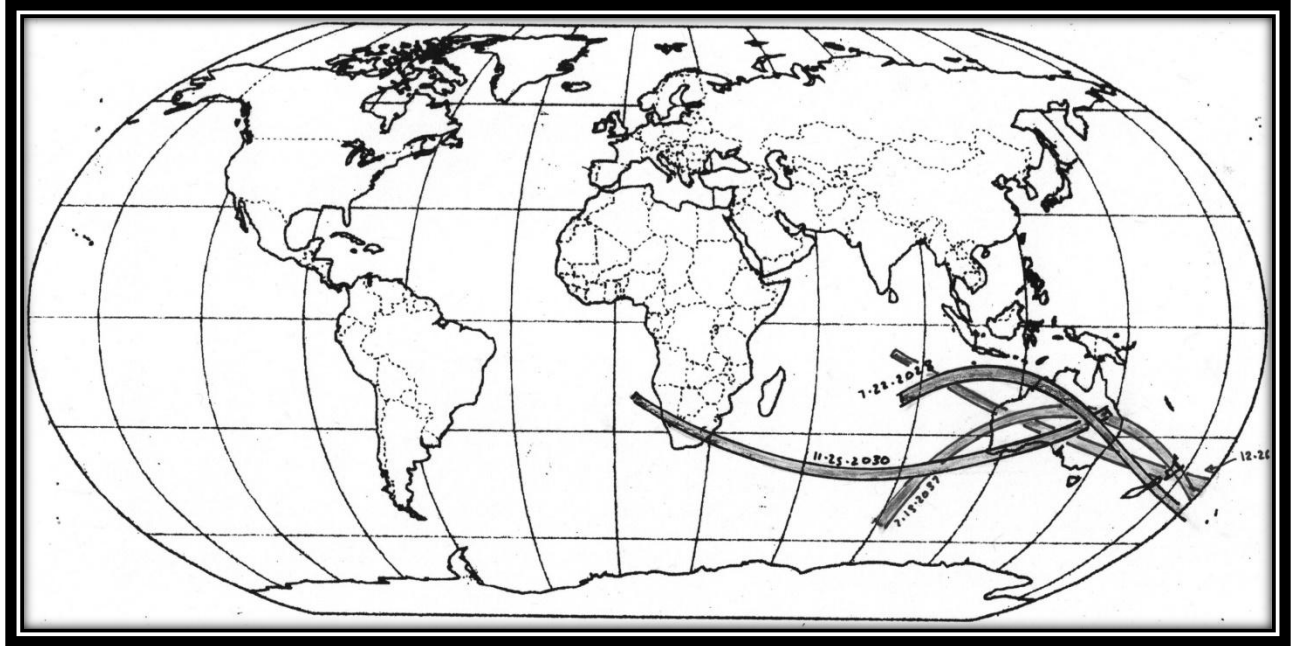
65. 2027 Aug 2 and 2034 Mar 20 Mideast Tav

Hepton Cross with apex in SE Egypt and the Red Sea. Described in detail elsewhere.



66. 2028 Jul 22 and 2030 Nov 25 Australian Cross

856 day Cross. Apex in western New South Wales. The first eclipse crosses Sydney. This is the first eclipse cross over Australia in 400 years. It is followed by two more total cross intersections.



67. 2028 to 2038 Full Australian Total Swarm

Completely unprecedented in the continent of Australia for at least the last thousand years, four total eclipses criss-cross the nation. Includes 2030 to 2037 Hepton and 2037 and 2038 531 Day Cross. Really four apexes, the conjunction of three of them in extreme western new South Wales/ Eastern Queensland.

2028 Jul 22

2030 Nov 30

2037 Jul 13

2038 Dec 26