A night sky with the Milky Way galaxy visible over a desert landscape with sand dunes. The Milky Way is a dense band of stars and interstellar dust, appearing as a bright, hazy streak across the dark sky. The sand dunes in the foreground are dark and silty, with some highlights from the ambient light. The overall scene is a serene and awe-inspiring view of the night sky.

# **Night Journey's Secret**

**[LightofHeavens.org](http://LightofHeavens.org)**

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## “In the Name of Allah, Most Gracious, Most Merciful”

### Introduction

Everything in the heavens and on the Earth praises and exalts Allah (SWT) (57:1). How could there be any contradiction between His **True Religion** and science since both originated from Him? Imagine that 1/8 (800 verses) of a book from more than 1400 years ago is about scientific facts such as the Big Bang Theory, expansion/contraction of the universe, our bodies, plants, and animals to name a few! Scientific facts are described in the Holy Qur'an for at least two reasons. They represent clear Signs of the Creator for those who are wise to see (2:242) and to encourage us to investigate and ponder about them.

*"Do not the unbelievers see that the heavens and the earth were joined together  
(as one unit of creation), before We clove them asunder?  
We made from water every living thing. Will they not then believe?" 21:30*

*"We built the universe with great might, and We are certainly expanding it" 51:47*

*"The Day that We roll up the heavens like a scroll rolled up for books,  
as We produced the first creation, so shall We produce a new one:  
a promise We have undertaken: truly shall We fulfil it." 21:104*

Exploring potential connections between science and religion can be a fascinating endeavor. Sura 53 of the Holy Qur'an, also known as "The Star – النّجْم", does indeed reference the star Sirius, among other things. This sura also describes the Prophet Muhammad's (pbuh) miraculous Night Journey and ascent to the heavens, an event known as the "Isra" and "Mi'raj". I was curious to find out why suddenly

“Sirius - شَعْرَى” is mentioned in Verse 53:49 (e.g., “*That He is the Lord of Sirius*”). Indeed, within the Holy Qur’an, all verses, words and their specific sequence are believed to be purposeful and significant, for it is the Word of Allah (SWT). It is true that Sirius is the brightest star in the night sky and ancient civilizations used to worship it, but why is it mentioned in Sura 53? Could there be a scientific explanation why the Holy Qur’an mentions Sirius? For example, in Verse (86:1-3), the Holy Qur’an describes the sound of the distant pulsar<sup>1</sup> “*Knocking star*” (PSR B0329+54), so perhaps it is trying to convey some type of scientific information about the Sirius binary stars in Sura 53.

That initial idea and curiosity sparked nearly a year of dedicated research and learning. Islam teaches us that the golden key to researching the Holy Qur’an lies in holding a sincere intention to seek the truth, placing trust in Allah (SWT), and seeking His guidance while maintaining unwavering perseverance. This key truly unlocks the gates of knowledge when your intention is solely driven by the desire to learn and to draw closer to Allah (SWT) (2:2). Both successful and unsuccessful steps in research demand our remembrance of Him and gratitude to Him, for in both success and failure, we find valuable lessons and opportunities for growth. Being humble in asking for His Help and following His Command, not being arrogant when something new is discovered, and performing good deeds are some of the essential requirements! **Praise be to Allah (SWT), the 32-digit orbital period of the Sirius stars, scientific timing of the Night Journey, close to 50 fascinating new facts about the connection of Sirius stars and the Night Journey, and many mathematical relationships among the suras and verses were discovered by this research.**

The Holy Qur’an discusses past, present and future but each verse is multi-dimensional with layers of meanings. It is a sacred and protected message for all generations and times. Allah (SWT) inspires new hidden meanings of the verses in the hearts of people whenever He Wills. When examining the early days of NASA's space program, it becomes evident that the discoveries and inventions emerged, which were unrelated to space exploration, often outnumbered those directly linked to the program's objectives. Therefore, it is essential not to overlook or underestimate the by-products that can result from any research endeavor. These unexpected discoveries can have significant and far-reaching impacts, contributing to scientific advancements and technological innovations in ways that may not have been initially anticipated. Recognizing and harnessing the potential of these by-products can lead to valuable breakthroughs. God’s Willing, this book will encourage others to do their own research of the Holy Qur’an.

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<sup>1</sup> [www.lightofheavens.org](http://www.lightofheavens.org)

The **first chapter** discusses the true source of our knowledge.

The **second chapter** tells the story of an unforgettable experience hiking up the Mountain of Light during the night and praying in the cave of Hira; an incredible eye-opening spiritual journey during the night.

The **third chapter** gives a historical perspective of the random and confusing calendar system of the pagan Arabs prior to the adoption of the Islamic Hijri Calendar. It provides reasons why the dates prior to the Islamic Hijri Calendar (e.g., Night Journey, prophethood) may need to be re-examined.

The **fourth and fifth chapters** together provide a short scientific summary of the Sirius Binary Star system. This information sets up the necessary scientific background for our discussion in this book.

The **sixth chapter** provides a summary about the Night Journey. The focus of this book is not to delve into the traditional interpretations and narrations about the Night Journey. Instead, this research complements them by pinpointing Night Journey's date.

**Chapter Seven** shows a connection between the orbit of Sirius stars and the Night Journey.

**Chapter Eight** demonstrates how our 32-digit orbital period of Sirius is calculated using the verses of Holy Qur'an! Many mathematical proofs are provided. It lays the foundation for the latter chapters.

**Chapter Nine** is the heart of this book. It discusses how scientifically the timing of the Night Journey and Sirius stars are correlated! The timing of the Night Journey is calculated!

**Chapter Ten** discusses how the timing of Prophet Muhammad's birthday (pbuh) and the Sirius stars may be related, too!

**Chapter Eleven** reasons why Verse 53:1 could be related to the yearly Heliacal Rising of Sirius. It also shows that the timing of the heliacal rising of Sirius may coincide with the Night Journey and prophet's birthday!

**Chapter Twelve** discusses the mysterious fiery red color of Sirius during a window of time about 2000 years ago. This mystery has baffled scientists for thousands of years. Our research precisely arrives at that window of time using the verses of Holy Qur'an!

**Chapter Thirteen** discusses a potential relationship between verses 53:9 and 53:49 and the scientific Sidereal Time measurement.

**Chapter Fourteen** discusses the scientific discovery of Sirius B and its relationship to Verse 49 where the Sirius stars are introduced in the Holy Qur'an.

**Chapter Fifteen** reveals more mathematical properties of the orbital period of Sirius.

**Chapter Sixteen** shows the mathematical uniqueness of Verse 49.

**Chapter Seventeen** demonstrates the mathematical uniqueness of Sura 17 and encoding of the Night Journey's verses with the prime number 17.

**Chapter Eighteen** focuses on the special mathematical properties of Sura 53.

**Chapter Nineteen** describes further relationships among the Night Journey verses. It also provides more arguments about why Allah (SWT) is swearing by the star that rises and sets (Sura 53, Verse 1).

**Chapter Twenty** provides frequencies of all the discovered mathematical codes in this book.

**Chapter Twenty One** is a brief conclusion of the findings in this research.

**Chapter Twenty Two** provides some reference material.

**Praise be to Allah (SWT) for all His Signs.** Our humble thanks to Him for our existence and for teaching us His Attributes. Our research team humbly begs for His forgiveness for any errors and shortcomings in this book and thank Him for granting us the opportunity to learn through this research. The Holy Qur'an is our reference. Sometimes, we directly reference certain verses. Other times, we point out some verses if they convey the same idea that was being discussed. The English translation of the verses used in this book is based on 11 different sources. In a couple of occasions, some minor comments were added for clarification. The detailed interpretation of Holy Qur'an used in this book is borrowed from the works of past and present world-renowned Islamic icons. What an honor to learn from them throughout this research! The details of the above sources are omitted to encourage you to read this book based on its content rather than pre-judging it by its sources.

The scientific data on Sirius is widely available. For the scientific moon data going back 1400 years, we used a commercial software program<sup>2</sup> and validated its accuracy against data from government agencies.

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<sup>2</sup> QuickPhase Pro v5



For mathematical calculations, we used a free online “scientific calculator”<sup>3</sup> and an “integer factorization calculator”<sup>4</sup> that can handle large numbers (sometimes over 220 digits) and provides the “Sum of the Divisors”. **Numbers alone are not proof for our discussion, but they reveal many strong mathematical relationships between suras/verses that are far from being random and can’t be ignored.**

The results were recorded by highlighting the numbers that are significant to this research. For example, we noted number 49 instead of  $7^2$  to help the reader better visualize the mathematical relationships and divisors. We encourage you to do your own calculations since there is nothing hidden here, and you do not need a supercomputer. **All the discoveries from this research, regardless of how small or big, are documented and presented in this book without any judgement about whether they are significant.** Perhaps some future software can be developed to do pattern recognition (i.e., textual, mathematical, and phonetics) on the contents of Holy Qur’an. What patterns reveal themselves when checking the divisors of the suras and verses across the Holy Qur’an? How are they related and intertwined? Discoveries and ideas that may appear trivial or inconsequential now have the potential to evolve into significant breakthroughs in the future. Therefore, it is wise to adopt an approach of thorough documentation without bias or premature judgment. By preserving and cataloging all findings, regardless of their immediate perceived importance, we create a valuable reservoir of knowledge that can be revisited, reevaluated, and built upon as our understanding and needs evolve over time. This open-minded and comprehensive approach to documentation ensures that no potentially transformative insight is overlooked or dismissed prematurely.

This book is a collaboration of work by our research team.

July 2025

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<sup>3</sup> <https://web2.0calc.com/>

<sup>4</sup> <https://www.alpertron.com.ar/ECM.HTM>

## Chapter 1 – Allah (SWT) is the Source of all Knowledge

الَّذِي عَلَّمَ بِالْقَلَمِ عَلَّمَ الْإِنْسَانَ مَا لَمْ يَعْلَمْ

*He Who taught (the use of) the pen. Taught man that which he knew not 96:4-5*

وَعَلَّمَ آدَمَ الْأَسْمَاءَ كُلَّهَا ثُمَّ عَرَضَهُمْ عَلَى الْمَلَائِكَةِ فَقَالَ أَنْبِئُونِي بِأَسْمَاءِ هَؤُلَاءِ إِنْ كُنْتُمْ صَادِقِينَ

*And He (Allah) taught Adam the nature of all things; then He placed them before the angels and said:*

*"Tell me the nature of these if you are right." - 2:31*

All knowledge and enlightenment emanate from Allah (SWT). While it is undeniable that we make choices, take steps forward, engage in struggles, and commit ourselves to learning, it is Allah (SWT) who ultimately bestows knowledge upon us, irrespective of whether we worship Him or not. However, the intensity of Allah's Light varies for believers and disbelievers based on several factors. **Islamic philosophers and thinkers have emphasized that there are two primary categories of deeds that can affect our reception of Allah's Light.** As articulated by figures like Abu Ali Sina, renowned for his contributions to fields such as medicine, astronomy, and philosophy, the first category pertains to one's personal relationship with Allah (SWT), while the second relates to interactions with fellow human beings.

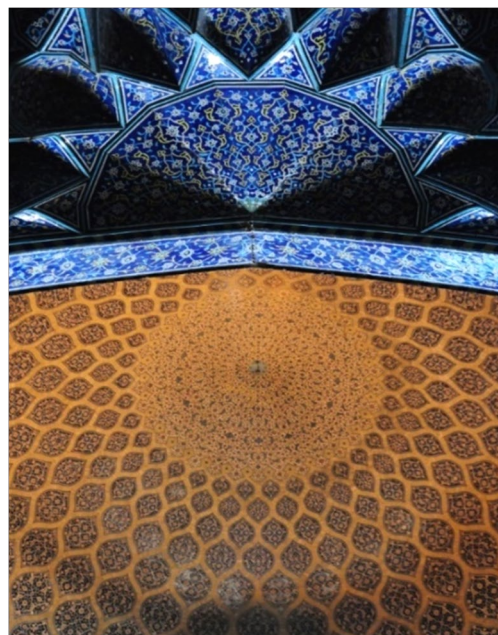


Figure 1 - Incredible engineering of Sheikh Lotfollah Mosque - Isfahan, Iran

In the first category, **the key is to learn the Attributes of Allah (SWT) and to truly submit to His Will.** Islam teaches us to love Allah (SWT) not out of mere expectation of reward or fear of punishment but rather because of His Divine Attributes. Our worship, which includes prayers, fasting, repentance,

taking corrective actions, being steadfast in our devotion, remembrance of Him, adherence to His commandments, seeking His guidance, and various other acts, serves to nurture and amplify the inner Light within us and to get closer to Him.

The second category revolves around living with pure intentions, submitting to His Will, and actively applying what we learn about His Attributes in our lives. This entails being patient, gaining knowledge, practicing love, kindness, forgiveness, honesty, and assisting others in need, empathizing with those facing hardships, standing up against oppression, and contributing to the welfare of the poor and orphans, etc. Avoiding wastefulness of resources, arrogance, ignorance, greed, and jealousy should also be part of our goals. Striking a harmonious balance between our worldly life and spirituality is the key to fulfilling this aspect of our faith (2:143). Accomplishing both categories of tasks embodies the true purpose of life. By doing so, we can elevate our souls towards perfection and draw nearer to a spiritual connection. The answer does not solely rest in isolating ourselves in prayer day and night, disconnecting from the world, nor does it lie in becoming consumed by worldly pursuits to the point where they dominate our lives and become our sole focus. Instead, it's about finding a harmonious balance between these aspects, nurturing our spiritual growth while actively engaging in the world and contributing positively to it. This world shouldn't be treated as a goal; instead, it is only a pathway to the next world. Individuals who solely concentrate on one of the above categories of tasks are missing the essence, and they fall short of unlocking the full potential of their souls. The True Cycle of life encompasses both worldly and spiritual matters, guiding us towards a more balanced and fulfilling existence.



Figure 2 - The True Circle of Life

## Chapter 2 – An Unforgettable Journey

Though it happened long ago, I can still vividly recall the memory of standing in front of the Mountain of Light on the outskirts of Mecca. In that moment, many years ago, I gazed up at the silhouette of its peak, etched against the backdrop of a star-studded sky. The memory remains as clear as if it had happened just yesterday, etching a lasting impression in my mind.

At 3 a.m., the mountain lies in serene slumber. Surprisingly, the starlight provides just enough illumination to make out some of my immediate surroundings. Despite the temptation of what appears to be a relatively short and straightforward hike to the summit, the darkness engenders a sense of unease within me, particularly because I'm unsure if there's a well-defined trail to follow. Hiking in these conditions is a daunting prospect, leaving me apprehensive about what lies ahead. Standing at the end of a small uphill road and gazing up at the mountain, it appears that there are no discernible trails leading to the summit. While it doesn't seem like there's a significant elevation gain, attempting this hike in the dark can be risky and potentially dangerous, especially without a clear path or visibility. With a mix of excitement and nervousness coursing through me, my heart urges me to place my trust in Allah (SWT) and let go of worry since I may not find this opportunity again in the future. I focus on reciting some verses from the Holy Qur'an and earnestly seek Allah's Guidance. Proceeding cautiously, I begin to discern faint traces of a narrow, weathered path winding its way through the scattered stones and boulders. As I survey the desolate landscape, it becomes evident that there are no trees to be found in this barren land. Sometimes the trail disappears, and my progress is slow due to the darkness. It is really an easy hike and pretty much any healthy person can do it, but a flashlight would be handy in the dark. Gradually, a couple of makeshift steps appear here and there comforting me that I must still be on the trail. I now realize that my initial fear and hesitation about this whole pilgrimage (Hajj) and hiking this mountain was baseless. Indeed, as with numerous challenges in life, we often become the architects of our own mental obstacles and perceive our dreams as unachievable. For many years, I had postponed this journey, offering a litany of excuses. Now, as I stand here, having finally embarked on this pilgrimage, I come to the stark realization that in truth, no external force or circumstance had ever prevented me from embarking on this journey. The only one to blame for the years of delay is myself, as I allowed hesitation and excuses to hold me back from pursuing my dreams. This experience serves as a poignant reminder that, often, the greatest hindrance we face is the one we create within our own minds.

Above me, the resplendent Milky Way, a masterpiece crafted by the Supreme Designer and Artist (59:24), stretches majestically across the night sky. And yet, the Milky Way itself is but a minuscule speck in the vast expanse of the universe. It's truly remarkable how immersing ourselves in the embrace of nature consistently evokes a sense of well-being and a profound connection to our Creator. It seems to be woven into the very fabric of our being, encoded in our DNA, to recognize and cherish the beauty, love, harmony, and peace that surround us in the natural world. Nature serves as a reminder of the magnificence of the universe and the presence of a divine hand behind it all, fostering a deep appreciation for the wonders of creation.

**Was the mystical Night Journey on a night like tonight?** How did the stars overhead celebrate it on that spectacular night more than 1400 years ago? I have been fascinated with Night Journey since childhood. How did Prophet Muhammad (pbuh) feel when he found out that he would be taking a journey to places in the seven heavens where even the angels were not allowed to enter? Was he excited, anxious, and happy? What did he observe and learn? What did he talk about when he met the previous prophets? How did the other prophets feel when they met the last promised prophet who would be completing the on-going prophetic mission from the time of Adam (pbuh)? How did it feel to be in the upper heavens where the concept of "time" doesn't apply? What was the reaction of angels to see the "Representative" of Allah (SWT) up there? It must have been an extraordinary joyous event for the entire universe to witness the **Representative of Allah (SWT) on Earth** (2:30) ascending to the heavens. What thoughts filled the minds of the angels as they encountered and extended their welcome to a truly exceptional human being, one who stood as the closest to Allah (SWT) in the entire universe? Did they finally comprehend what Allah (SWT) had informed them in Verse 2:30 thousands or millions of years ago? **The Night Journey's significance is far beyond our comprehension.**

My heart begins to quicken its pace as I come to the realization that with every switchback in the trail, the summit draws nearer. Despite this being a relatively straightforward one-hour hike, its intense spiritual essence has left me feeling drained of energy. Pausing for a moment, I steal a glance at the city below. Although the Kaaba is not yet visible from my current vantage point along the trail, I hold onto the hope that it will come into view once I reach the summit. With an estimated ten more minutes of hiking ahead, I press on towards my destination. My mind continues to race with thoughts about what I should recite and convey if I happen to find the Cave of Hira. It's akin to walking towards an exceptionally significant meeting in my life, but the truth is, I don't feel fully prepared, and I'm uncertain about what words to utter. The weight of the moment hangs heavy on my mind as I press forward, hoping to navigate



this extraordinary experience with the grace it deserves. Would I be able to concentrate and at least perform a prayer without my mind wondering around? Would I be so nervous that I forget to express my true thoughts and feelings? Would it be too abrupt to enter the cave and immediately start asking for forgiveness? *Oh Allah, please help me to be humble in the best way. Please have Mercy on me and let me experience this the best way possible.* Upon reaching the summit, I find myself in a short and narrow alley flanked by weathered wooden tables and white tents on both sides. I've heard that some individuals call these tents home and sell small items during the day. After a couple of minutes, I pass by these stalls, and the trail continues once more, beckoning me forward. Suddenly, to the left, an area emerges, offering an awe-inspiring panorama of the shimmering city lights. Amidst the distant skyline, the brightest point, representing the Kaaba, glitters like a radiant diamond. This mountaintop overlook, perched at the cliff's edge, resembles a grand stage, its orientation seemingly paying homage to the Kaaba.

On this stage, a few hand-woven rugs partially cover the surface. In the tranquil night's hush, an elderly man, prayer beads in hand, is sitting cross-legged, gazing up at the celestial expanse. The comforting stillness, the gentle cool breeze, the encompassing darkness beneath a star-studded canopy, and the solitude of this mountain together create a truly unique and mystical experience.

*The resplendent Kaaba casts its radiant glow across the distant skyline, while the city lights, reminiscent of butterflies in fervent embrace, seem to orbit it with grace.* How can I immortalize this exquisite and tranquil moment for eternity?

It seems that a narrow path extends on the other side of the overlook. Holding onto the rugged boulders, I carefully navigate down a couple of exceedingly steep ones. After a minute or so of descent, a colossal boulder looms ahead, obstructing the entire path. Along the sides of this massive stone, there are dark crevices resembling narrow caves. Opting for the left side, I cautiously proceed, but the passage progressively narrows with each step. I nervously squeeze myself through a particularly tight spot. With a heart pounding in the darkness, I persist, driven by determination. After a few anxious minutes, I finally push through the colossal boulder to the other side, and there is the brightest star in the sky. To my left lies the very destination I've been yearning for—the mystical Cave of Hira!

The humble cave perched atop this mountain has kept a watchful eye on the Kaaba for countless millennia, extending its welcome to the prophets of Allah (SWT) who undertook their sacred pilgrimage. This cave has borne witness to the sacred events of history, including the momentous occasion when Prophet Abraham (pbuh) and his son, Prophet Ismael (pbuh), constructed the Kaaba. Its enduring

presence stands as a silent testament to the profound spiritual history that has unfolded beneath its sheltering embrace, when disbelievers planned to murder Prophet Muhammad (pbuh) in bed, when he migrated to Medina, when he gave blanket immunity to everyone after capturing Mecca without fighting, and unfortunately during the years to come, when his progeny and the pure Imams (the true gates of knowledge and representatives of Allah on Earth) were killed one by one at the hands of the corrupt rulers. A true representative of Allah (SWT) cannot logically be someone who has worshipped idols, committed sins, and doesn't possess the ultimate knowledge of the "Word of Allah". **A Representative of Allah (SWT) on Earth (2:30) is the one chosen only by Him.** He qualifies for that position by his level of knowledge, closeness, and surrendering to Allah (SWT). The Light of Allah (SWT) has increased in him so much that he is purified and spotless. He has learned the Allah's Attributes to such a degree that he doesn't deviate from them in life. His spiritual knowledge is so much that Allah (SWT) has put him in charge of implementing the "Word of Allah" on Earth. That's why he is above the angels, and they are required to prostrate to him (e.g., 18:50, 15:29, 20:116). **From Adam till Judgement Day, the Earth has never been and will not be without the true "Representative of Allah (SWT)".**

Towards the rear of the cave, a minuscule natural opening within the rock formation offers a tantalizing view of the city below and the resplendent stars above. This remarkable tiny cave, with its low, cave-like ceiling, takes on the appearance of a diminutive chamber, providing just enough room for a couple of individuals to stand and engage in prayer. As I step inside, a surge of nervousness courses through me. The entrance to the cave is diminutive, and the instant I cross the threshold, a potent energy field envelops me, filling the space with an almost tangible presence.

Is this a dream? My knees falter, and I lower myself to the ground, bowing in prostration, my forehead resting upon the natural, stony floor of the cave. The cool and reassuring touch of the ground contrasts with the heat coursing through my flushed forehead. My heart thumps within my chest, its rhythm is a testament to the intense emotions surging through me.

Despite my heart racing, I am overwhelmed by an overpowering sense of love and peace for being in this sacred place. A torrent of emotions swirls within, words and feelings seeking release, yet in this profound moment, I find myself rendered speechless and humbled. Would my tears be enough to convey my thoughts and feelings?

**I do not worship this cave, the Kaaba, any person, animal, statues, or any other objects.**

My worship is solely directed towards Allah (SWT), as He alone is worthy of it. The significance of the Kaaba (and this cave) lies in the powerful symbolism they represent and the positive spiritual energy they radiate (22:26). How can I convey the profound sensation of standing upon the very ground where, more than 1400 years ago, the last prophet of Allah (SWT) and an archangel met?! I find myself within the very cave where Prophet Muhammad (pbuh) sought closeness to Allah (SWT) throughout the passing years. It is within these sacred walls that he engaged in meditation, observed fasts, gazed upon the celestial expanse, had his first encounter with Archangel Gabriel, received his divine appointment as a prophet, and embarked upon his arduous prophetic mission. The cave, akin to a steadfast and ancient companion, stood by the Prophet's side throughout the years, offering its sanctuary for his worship of Allah (SWT). Reflecting upon its history, it's plausible that even Prophet Abraham (pbuh) and his son, Prophet Ismael (pbuh), who built the Kaaba thousands of years ago, might have sought solace within these very walls. It's a thought-provoking notion that other prophets of Allah (SWT), during their pilgrimages to Mecca, may have likewise found a place for meditation and communion within this same sacred cave, making it a timeless witness to their spiritual journeys. Do I really deserve to be here? My whole body is shaking, and I thank Allah (SWT) repeatedly for granting me this humbling experience.

This journey has prompted a profound reflection upon my entire life. It has become clear that much of my time was spent pursuing material possessions, whether it be acquiring a new car, changing jobs, managing mortgages and loans, or adding more worldly burdens that have, in essence, become heavy chains weighing me down. I've come to recognize that I have, in some ways, unwittingly become a slave to the material aspects of life. Standing before the Kaaba often brings about a sense of spiritual liberation, allowing individuals to shed the burdens of material pursuits and ego-driven desires. It's a moment of reflection and connection with a higher purpose that can lead to a reevaluation of one's priorities and values. Can we control our desires like Prophet Abraham did when facing the ordeal of sacrificing his beloved son? This pilgrimage is about sacrificing desires to get close to Allah (SWT). Embracing this newfound sense of freedom from the distractions of life can be a transformative experience, leading to a deeper understanding of oneself and a more meaningful journey in the future (22:28). The goal of this pilgrimage (Hajj) is to learn to submit to the Will of Allah (SWT) as Prophet Abraham (pbuh) did when facing the decision to sacrifice his son (37:102-103). It is to learn to trust in Allah (SWT) and to control one's desires, to be aware of the whispering enemy (35:6), to make true vows to Allah (SWT) (22:29), to be reborn, and to reset your life back to a clean slate. It is to experience humbleness when your knees start shaking in front of Kaaba and to feel united with millions of other

people regardless of their race, education, titles, money, etc. The cave is only a small spiritual token compared to the entire pilgrimage.

I have been searching deep inside my heart for answers. How much of my life have I wasted on meaningless things? Is my soul's balance sheet in the red (99:7-8)? How can I be sure that my good deeds outweigh the negatives? I have had the Islam's treasure chest in my possession since childhood, but I have barely looked inside. Oh Allah; You are with me wheresoever I may be (57:4) even though the worldly affairs always tend to pull me away from You. You hear my heart (29:5) without me noticing it. You know all that I do and think (57:4) but I am too blind to see Your Signs. Seeking refuge in You is only a heartbeat away (114:1). You continue having Mercy on me while I don't appreciate it enough and don't know its magnitude (1:3). You remember me even though I often forget You (33:41). You always provide for me unconditionally, but I am "too busy" to thank You. You forgive me repeatedly, but I fail to heed (2:37). You always inspire and teach me (34:50) while my arrogant perception is that "I" have accomplished everything on my own. You always give me opportunities to improve myself through my choices and actions, but I complain instead. You close one door while opening many more (94:5) but I rush to misinterpret it as misfortune. Your Signs are everywhere inside and outside of me, but I am not wise enough to recognize them (10:5).

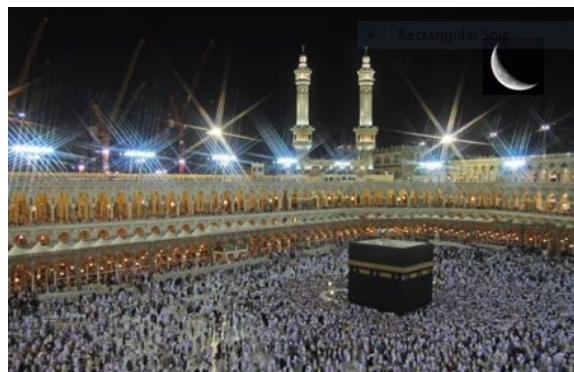


Figure 3 - Kaaba

You are my Creator, Protector, Sustainer, and Teacher and we will all return to You. As Hazrat Imam Ali Ibn Talib (A.S.) elegantly said in Dua Kumayl:

يَا مَنْ اسْمُهُ دَوَاءٌ وَذِكْرُهُ شِفَاءٌ وَطَاعَتُهُ غِنَى

*"Your Name is the remedy, remembering You is the cure, and obeying You is the wealth"*

You are the First and the Last (57:3). You created us in the best form (95:4) and blew into us a unique and pure spirit (15:29) so we would have the potential to elevate ourselves above the angels. The unique spirit is what makes us different than other living things and angels. Life's ups and downs, happiness and

sadness, success and failure, losses and gains are all opportunities for us to learn Your Attributes and to get closer to You. How can I thank You for the lifelong unconditional Love and Mercy that You have bestowed upon me? How can I repent (28:67) for my errors when I neither remember them nor know their extent? Have I really submitted to your Will (2:112) or am I still chasing the worldly things? Would I be able to take control of my desires so I can get closer to You? Have I done my best in raising my kids? Have I been kind enough to my parents (31:14)? Have I helped the poor and orphans (93:9-10)? Would this journey help me to be born again? In my heart, I am acutely aware of my own shortcomings, and the overwhelming embarrassment I feel in seeking Your forgiveness is tempered only by the knowledge that You are my sole refuge and hope. I am seeking nearness to You through remembering You.

وَلَا تَشْغَلْنِي بِالْاهْتِمَامِ عَنْ تَعَاهُدِ فُرُوضِكَ وَاسْتِعْمَالِ سُنَّتِكَ

***“Please do not let anxiety keep me from the performance of my duties to You  
and the observance of Your Laws” (from the 7<sup>th</sup> Dua, Hazrat Imam Sajjad, A.S.)***

Please give me a chance to get closer to You and to gain knowledge of the Holy Qur’an. Please grant me knowledge and fresh opportunities so I may do good and make up for my past errors. I humbly seek Your help with having firmness and perseverance in the perfection of my soul. Would You please teach me Your attributes so I can practice them? I am acknowledging how much precious time I have wasted on trivial things. Is it too late now to change?

As I look back on my life, vivid memories resurface, including the painful recollection of my childhood attempted kidnapping. Even now, the mere thought of that harrowing ordeal remains a source of profound anguish. My heart aches for all those who have endured the anguish of separation from their families due to the selfishness, arrogance, oppression, greed, racism, and wars inflicted upon them by others. Utter powerlessness washed over me within mere seconds, as the sinister grip of fear took hold. From behind, a malevolent force tightly clutched my throat, compelling me to step into an unfamiliar and ominous realm. With each forced stride down the street, I left behind my family and the world I had known. In a state of profound shock, I gasped for air, rendered helpless and incapable of talking or turning my head to glimpse my assailant or muster the strength to resist. Dangling from my neck, I could still feel my simple handmade leather charm containing some prayers lovingly penned by my grandfather when I came into this world. Amidst those chaotic and distressing moments, I invoked Your Name. In a couple of minutes, You, with Your infinite grace, dispelled the malevolent darkness and ushered me back into the embrace of peace (13:11). In that moment of liberation, my heart overflowed with love, beauty, joy, hope,



and tranquility. Tears gave way to a radiant smile, and I joyfully made my way home, as if the harrowing experience had never occurred. It was a single crossroad with the potential to alter countless aspects of my life and the lives of others. It is impossible to calculate the full impact, but Allah (SWT) has full Knowledge of it. Would I still be here tonight hiking this mountain and confessing to You?! After all these years, a sense of humility washes over me as I offer my gratitude for the countless times You have saved me. I find myself traversing the landscape of my memories, realizing how often I've been spared from imminent perils and how seemingly inconsequential decisions could have led to my downfall. How many other similar situations in my life are there that I am not even aware of?

Following my prayers, moments of repentance, and the cherished solitude within the cave, I reluctantly departed as I noticed the presence of other individuals patiently waiting outside. On my way back to the overlook area, curiosity led me to explore the path on the opposite side of the massive boulder, where I soon realized it was considerably wider and more accommodating. Seated upon the flat stage area, where a refreshing breeze enveloped me, I devoted the remainder of that unforgettable night to prayers. There is an undeniable enchantment in forgoing the sweet embrace of sleep and humbling oneself before the Creator in the silent shroud of darkness. (51:17, 39:9). The mesmerizing calls to prayer echoed from various directions, filling the crisp morning air. It sent shivers down my spine to witness the entire city awakening in unison for prayer. By this time, we had formed a group of twenty individuals, all gathered in anticipation of performing the morning prayer at the pinnacle of the mountain. **People of varied ethnicities, nationalities, educational backgrounds, wealth, influence, skin tones, ages, and genders stood side by side, united in peace, harmony, and equality.** Everyone was on their own unique night Journey, transcending differences and embracing the collective spiritual experience.



Figure 4 - Mountain of Light

## Chapter 3 – The confusing calendar system of pagan Arabs

Abu Rayhan Biruni (973 CE-1050 CE) is one of the most distinguished Persian thinkers and scientists. He was born approximately 400 years after prophet Muhammad (pbuh). In his books, he described the rotation of the earth hundreds of years before anyone else mentioned it. He calculated the radius and circumference of the Earth, and his scientific data was used for centuries in determining precise eclipses and equinox times. With simple experiments, he demonstrated that “vacuum” exists. Using sexagesimal numbering, he was the first person who subdivided the hour into smaller parts such as minutes and seconds. He has written many books on languages, history, biology, geometry, physics, astronomy, mathematics, and many other subjects. Romans used to use extra months known as "intercalary months", which were added ad hoc to realign the 355-day Roman year with the solar year.



Figure 5 - Abu Rayhan Biruni

In his book “الاثرالباقية عن القرون الخالية”, also known as “**Chronology of Ancient Nations**”<sup>5</sup>; Biruni describes in detail the calendar systems of many civilizations such as the Persians, Indians, Jews, Christians, and Arabs. He also demonstrates and explains (as if he is teaching in a classroom) the detailed mathematical calculations regarding those calendar systems.

**Six hundred years before Galileo, Biruni wrote that the Earth rotates on its axis! Unlike Galileo, his ideas were accepted by religious scholars of the time! That is how Islam values science and knowledge!**

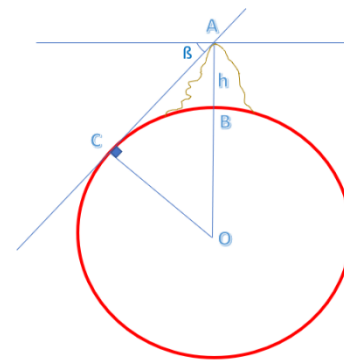


Figure 6 - Biruni's genius method to calculate the Earth's radius and circumference

<sup>5</sup> Chronology of Ancient Nations by Abu Rayhan Biruni - <https://www.amazon.com/Chronology-Ancient-Nations-Ath%C3%A2r-ul-B%C3%A2kiya-Collected/dp/1402160798>

From the time of Abrahamic Era, there were four forbidden Arabic months (Dhu al-Qadah, Dhul al-Hijjah, Muharram, and Rajab). During these months, many things such as wars and transgression were strictly forbidden to give the society a chance to heal itself, for people to reflect on their ways of living, and possibly to return to God. Approximately 200 years prior to the usage of the current Islamic Hijri Calendar, the ancient Arabs were following the lunar months but were not keeping track of years since they didn't have any starting reference point to count from (i.e., birth of a king, start of a dynasty). Instead, each year was named after an important event that happened during it (e.g., Year of the Elephant). Like Christians and Jews, the pagan Arabs' months were based on the observation of new moons as later it was with the Muslims. However, the pagans started introducing **intercalation** into the order of the months. They always preferred the time of the great pilgrimage to Mecca to coincide with when their merchandise would be ready for the market (e.g., fruit, leather, etc.) instead of the true month of pilgrimage (Dhu al-Hijjah). **The underlying reason to shift the "forbidden" months was due to political, financial, and social factors.** For example, if it was not convenient to have the pilgrimage during the hot summer, they would simply move it to winter by artificially skipping or adding months. After every pilgrimage to Kaaba, the tribe of "Kinana" would announce to the crowd what the next month would be (instead of following the proper order of the months). Some years, the order of the months would not change while other times it would change. Simply put it, they didn't follow the true order of the months, a random chaotic calendar system!

Months in the Islamic Calendar	
Month Names	Days
Muḥarram	29/30
Şafar	29/30
Rabī' al-awwal	29/30
Rabī' ath-thānī	29/30
Jumādā al-ūlā	29/30
Jumādā al-ākhīrah	29/30
Rajab	29/30
Sha'bān	29/30
Ramaḍān	29/30
Shawwāl	29/30
Dhū al-Qa'dah	29/30
Dhū al-Hijjah	29/30

Figure 7 - Arabic months

Biruni explains that the first intercalation was applied to the month of "Muharram"; hence the month of "Safar" was called "Muharram" and so on (i.e., the true order would have been "Safar", but they replaced it with "Muharram"). This tradition went on for hundreds of years. When the prophet migrated (Hijra) from Mecca to Medina, the turn of intercalation had come to the month of "Shaban" so the month

of “Shaban” was called “Muharram” and month of “Ramadhan” was called “Safar” (almost a jump of 5 months).

Biruni says that almost 10 years later at the time of the Farewell (or final) Pilgrimage, the order of the months **had finally returned to its true natural order** so the system could be changed without any drastic impact on customs, pilgrimage, fasting, and economy. **Sura 9, verses 36 and 37 specifying the correct number of months (12) in a year and prohibiting the intercalation had been already revealed to the prophet a year or so prior to the Farewell Pilgrimage but he had waited for Allah’s permission to enact the rule at the proper time.** At the conclusion of the final pilgrimage, in the year 10 AH (631/632 CE), the prophet addressed the people by saying that **“The season, the time has gone around as it was on the day of Allah creating the heavens and the Earth”** meaning that intercalation had to be ended. The **“Farewell Pilgrimage”** is also called the **“Correct Pilgrimage”** since at that time the so-called month of “Dhu al-Hijjah” happened to coincide with the true “Dhu al-Hijjah”! From that point on, the intercalation (“Nasi”) was prohibited in Islam and the months followed their natural sequential order.

**A couple of years later, after the prophet had passed away, the “Hijra” (the year when the prophet migrated from Mecca to Medina) was officially adopted as the starting reference point of today’s Islamic Hijri Calendar.** Biruni provides multiple reasons why Hijra was chosen as the calendar’s starting point instead of other important historical events such as the Night Journey or the year that Allah (SWT) appointed Prophet Muhammad (pbuh) as the last prophet. **The important reason is that Hijra was the most recent and accurate date compared to the other events that had occurred years prior to it during the intercalation.** After Hijra (for 13 years), proper records of years and intercalated months had been kept by Muslims, so they were able to accurately trace back to Hijra. As it was explained earlier in this chapter, years did not always contain 12 months and months were intercalated arbitrarily. When the Islamic Hijri Calendar was adopted, it was a couple of years after the prophet’s death; about 13 years after Hijra, approximately 25 years after the prophethood, and more than 60 years after the prophet’s birthday. Let us assume that an event was reported to be in the month of April more than 50 years ago. However, we’re not sure if some of the past years were 12 months or not (maybe some were changed arbitrarily by people to 13 months or 10 months). Additionally, the months had not followed the proper order of January to December. Let’s say that during the past 50 years, some months may have been skipped or renamed arbitrarily. For example, jumping from January to March and so on. How can we be sure that an event’s reported year/month from 50 years ago is the true date considering the above?! Therefore, it puts the reported year/month in question. Another factor that adds to the mystery is that there are

different hearsay dates attributed to certain events during the prophet's life and we are not 100% certain which one is true. Finally, the earliest books containing such information were written hundreds of years after the prophet.

The date of the Night Journey (prior to Hijra) falls within the era of intercalation and cannot be precisely pinpointed. Considering all the above reasons, we know that a couple of different dates (years and months) have been attributed to the Night Journey (620CE, 621CE) but no one is 100% sure which year/month is the true date. Even if a person recorded the date on the day after the Night Journey, the recording of the date would be based on the arbitrary calendar system (prior to Hijra) explained above so it would have been an intercalated date instead of the true date (year/month). Historical records from hundreds of years after the prophet state that someone heard from someone else who heard it from another person and so on. Generally, scholars investigate the ancient hearsay reports based on many parameters and decide how reliable they are. Logically, there is no solid proof about authenticity of the reported dates no matter how you investigate them. You can only claim that some reports have a greater probability of being true than others. Later in this book, the timing of the Night Journey is discussed in detail and a possible date is calculated based on the verses of Sura 53.

Please note that digital calendar converters must not be used for dates prior to 10 AH or 631/632CE (e.g., the year when intercalation stopped) due to the intercalation problem discussed above. The reconstruction of any true Arabian calendar before the abolition of the intercalation is basically impossible as we discussed it in this chapter.

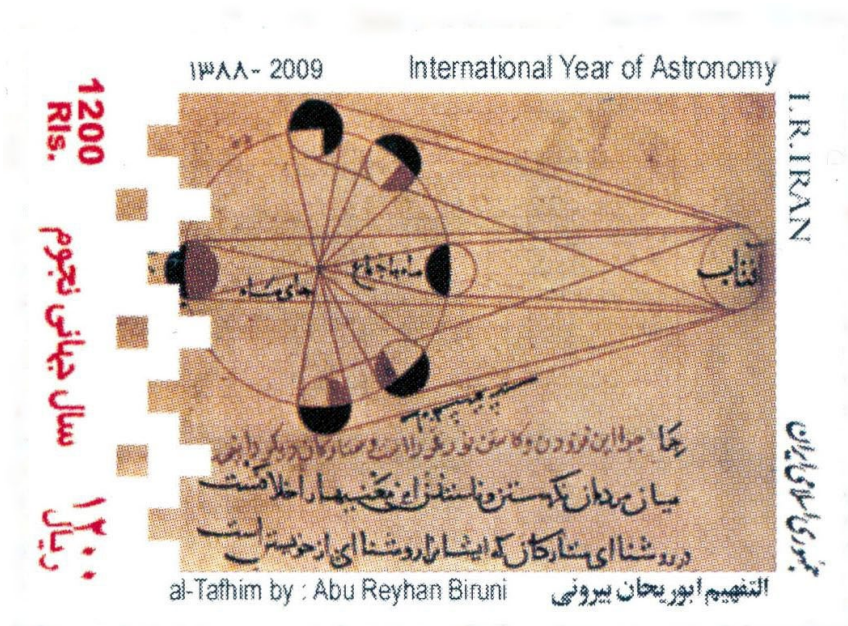


Figure 8 - Stamp - Lunar Eclipse drawn by Biruni



## Chapter 4 – “Sirius”, the sparkling diamond in our sky

Sirius, the brightest star in the night sky, finds its home in the Canis Major constellation (i.e. the 'Dog Star'). The Sirius system is a binary star system consisting of two components: Sirius A and Sirius B. Sirius B holds the distinction of being the first 'white dwarf' ever discovered in 1862 CE, while the brilliant Sirius A has captivated observers for millennia. Ptolemy mentioned the Sirius star in his textbook of mathematics and astronomy in 140 CE. Ancient Greeks, Egyptians, Persians, Chinese, Arabs and many other civilizations revered and/or worshipped Sirius.

The **heliacal rising of Sirius** refers to the time when after some months of not being visible, it briefly appears above the eastern horizon at dawn. Every day after the heliacal rising, Sirius rises a bit earlier and is visible for a little longer time before dawn. Later, after some months of being visible in the night sky, Sirius gradually sets again and disappears for a couple of months and the cycle repeats. The Sothic year is based on the observation of Sirius in the sky. It is the length of time for Sirius to visually return to its same heliacal position in relationship to the sun. Its yearly heliacal rising with a period of exactly 365.25 days was used to construct the 365-day calendar by ancient civilizations. There are also annual records from 3000 BC (Djer, 1<sup>st</sup> dynasty of ancient Egypt) showing yearly “365-day” Nile flooding pointing to a calendar based on Sirius. The timing of yearly rising of Sirius is dependent on the location of the observer on earth. For Cairo, it is on July 19<sup>th</sup>, before the onset of Nile’s annual flooding.



Figure 9 - Sirius, the Dog Star

Sirius is normally white to blue-white in color but sometimes is called a rainbow star since it often flickers with many colors especially when it is spotted low in the sky. However, a mystery still surrounds its color up to now. **Ptolemy described Sirius as a fiery red star in 140 CE.** Another sixth-century manuscript also describes the star as red. Additionally, an ancient (100 BC) Chinese text by Sima Qian refers to the change of color of the star. If it really appeared red at some point in time, then why is it white now? There are various theories regarding this. One theory suggests that Sirius used to be a “red giant” type of star but within the past 2000+ years must have collapsed to form a “white dwarf” type of star. However, if the collapse of the red giant into a white dwarf was rapid in the form of a great explosion,

or supernova, the impact on the nearby solar system would have been drastic (but we don't see signs of such an impact). Alternatively, if the collapse was slow then it should still be ongoing today (but it is not). Another theory suggests the possibility of a third companion body or comet with a long orbital period of thousands of years in the Sirius system. A 1986 and 2000 study of Sirius detected **iron rich space dust** in the binary system so the tidal interaction during close encounter with Sirius A and B in the inner part of its orbit could cause cosmic cloud expansion resulting in temporary red color for centuries. We will discuss this further in Chapter 12 and we will demonstrate how it could be related to the Night Journey.

The Sirius binary system is 300 million years old, and it is about 8.601 light-years from the solar system. Sirius B is too close to its bright companion Sirius A to be observed by the naked eye. Sirius A with a mass of (2.35 x Sol.) and diameter of (2.03 x Sol.) is larger than Sirius B with mass of (0.98 x Sol.) and diameter of (0.022 x Sol.). Sirius B, Eggen/Greenstein white dwarf (EG) 49, is very dense. It's calculated average density is 92000 that of the Sun so one cubic inch of its material on the surface of the Earth would weigh over 2 tons. Its powerful gravitational field is approximately 350000 times greater than Earth's. Sirius A has a visual luminosity of (22.61 x Sol.) and **contains 7.4 times the iron abundance of the Sun**. It was probably enriched by Sirius B when it became a white dwarf. Sirius A is also considered a "variable star" because when Sirius B is in front of it (as observed from Earth), its brightness is boosted.

**Sirius was associated with a bow and arrow by some cultures.** A large **bow and arrow** were visualized by the ancient Chinese across the southern sky, formed by the constellations of Puppis and Canis Major. In this, the arrow tip is pointed at the wolf Sirius. The star was portrayed as an **arrow** itself in ancient Persia.

## Chapter 5 – Elliptical orbits of Sirius “A” and “B”

Sirius A and B stars are in a binary system and have elliptical orbits around a common virtual barycenter. **Apastron** refers to the position of stars on their orbits where they are farthest from each other (Figure 10). **Periastron** is the term referring to the position of stars on their orbits where they are closest to each other (Figure 11). For Sirius A and B, Periastron is 8.069 AU (Astronomical Unit) and Apastron is 31.49 AU. **The cycle from one Periastron to the next, and similarly from one Apastron to the next, spans approximately 49 solar years.**

Scientific records from international space agencies indicate that the most recent occurrence of Sirius A and B reaching their Apastron position took place in the year **2019.28 CE**, whereas their last Periastron alignment occurred in **1994.31 CE**<sup>6</sup>. Please note that the “true” Apastron or Periastron is different than what you can observe from the Earth because of the angle of view, distance, etc. We will use this important information in chapters 7 and 8.

Figure 10 - Apastron position of Sirius Stars

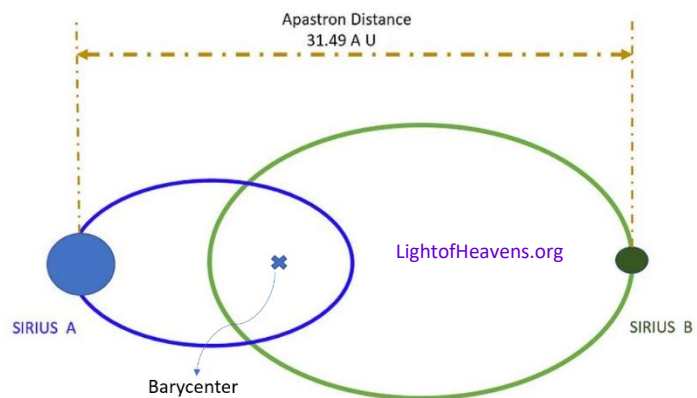
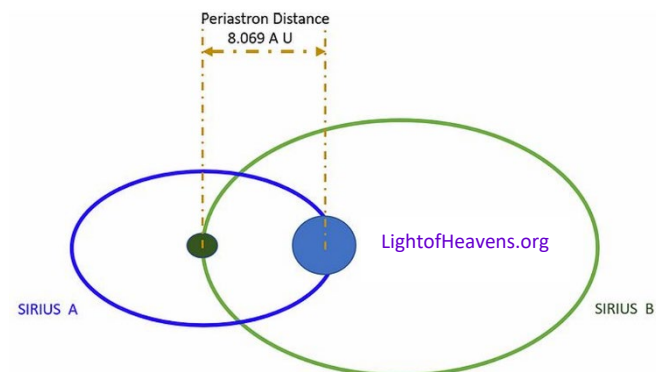


Figure 11 - Periastron position of Sirius Stars



<sup>6</sup> Stellar Database - [http://www.stellar-database.com/Scripts/search\\_star.exe?ID=600](http://www.stellar-database.com/Scripts/search_star.exe?ID=600)

Various worldwide space agencies approximate the orbital period of Sirius between 49.9 and 50 years but close to 50. Jay B. Holberg is a senior research scientist at the Lunar and Planetary Laboratory of the University of Arizona in Tucson. In his book titled “Sirius Brightest Diamond in the Night Sky”<sup>7</sup>, he describes that **from the seven parameters required to completely describe the apparent orbit of Sirius A and B, the orbital period is the most important.** Long-term continuous observations are needed for determining the more precise orbital period. To calculate the **precise orbital period**, more accurate mass and parallax of Sirius need to be measured.

**For Sirius, scientists agree that  
almost 50 years of continuous observations are needed!**

## Section 5.1 – Scientific estimation related to Sirius

Parallax of Sirius is  $379.22 \pm 1.58^8$  milli-arc seconds (i.e., it is the best estimate!). Studying Sirius B’s mass and orbit has challenged astronomers for centuries. If the “Gravitation Redshift” method is used for calculations, then one must be careful about eliminating the effects of Sirius A’s light on Sirius B. This method relies on the concept that light loses energy when it attempts to escape the gravity of a compact dense star (e.g., white dwarf). Light from the hot star must climb out of its strong gravitational field and is stretched to redder and longer wavelengths of light. In other words, the intense gravitational field warps the nearby space. Using the Hubble space telescope, more accurate measurements have been made. Sirius A’s mass has been reported differently by various organizations and research teams<sup>9</sup>. **Uncertainty in calculation of the mass and parallax causes uncertainty in calculation of other parameters such as the orbital period.** Variations in the reported parameters clearly show that the scientific data is an approximation. Below, there are 3 reported mass measurements. Please note that one Solar mass (Sol.) is  $(2 \times 10^{30})$  Kilograms.

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<sup>7</sup> Sirius Brightest Diamond in the Night Sky” by Jay B. Holberg – [http://vega.lpl.arizona.edu/sirius/Book\\_page.html](http://vega.lpl.arizona.edu/sirius/Book_page.html)

<sup>8</sup> Cornell University – Parallax of Sirius - <https://arxiv.org/abs/astro-ph/0306604>

<sup>9</sup> European Space Agency – Weighing the Dog Star’s companion - [https://www.esa.int/Science\\_Exploration/Space\\_Science/Weighing\\_the\\_Dog\\_Star\\_s\\_companion](https://www.esa.int/Science_Exploration/Space_Science/Weighing_the_Dog_Star_s_companion)

2.063 ( $\pm 0.023$ ) x Sol – **Bond et al. (2017)**

2.35 x Sol. – **Stellar Database**<sup>10</sup>

2.4 x Sol. – **NASA Star and Exoplanet Database**<sup>11</sup>

In a 2017 study (The Sirius System and its Astrophysical Puzzles: Hubble Space Telescope and Ground-Based Astrometry)<sup>12</sup>, researchers took past sporadic observations and data, **using modeling and simulations**, they calculated the mass, parallax, orbital period, and many other important parameters. **There is estimation involved in all their findings.** Note that the data was not from 50 years of continuous observations. **Instead, the data is from a time interval covering approximately 40% of what would be for a 50-year orbit.** The rest were simulated and modeled by software.

With all the above approximation, they reached an orbital period of ( $50.1284 \pm 0.0043$ ) years. Additionally, the last estimated date for periastron was ( $1994.5715 \pm 0.0058$ ); again, based on old incomplete data so the decimal portion can't be trusted! The Stellar database reports the estimated periastron as 1994.31. Since it takes half of the orbital period to go from periastron to apastron, they added half of their predicted orbital period ( $50.1284 \pm 0.0043$ ) to ( $1994.5715 \pm 0.0058$ ), to get to the most recent apastron ( $2019.636 \pm 0.006$ ). Obviously, the year is correct, but all the approximations and lack of the 50-year continuous observations definitely impact the decimal portion which could end up to be a couple of months.

Finally, all the observations are made from the Earth and/or space telescopes such as Hubble. This is a 2-dimensional observation. **Figuring out the true apastron position and date (in three dimensions) is harder and would need 3-dimensional data.**

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<sup>10</sup> Stellar database - [http://www.stellar-database.com/Scripts/search\\_star.exe?Name=sirius](http://www.stellar-database.com/Scripts/search_star.exe?Name=sirius)

<sup>11</sup> Nasa Exoplanet - <https://exoplanets.nasa.gov/>

<sup>12</sup> <https://arxiv.org/abs/1703.10625>



The inadequacy of the old, recorded observations over the past 50 years introduces uncertainty in all astronomical calculations related to Sirius. Additionally, older observations and data were not precise since they were done without today's advanced technology and equipment. Using the recent data collected by the European Space Agency over 3 years, the best estimate for measurement of parallax of "Sirius A" is  $379.22 \pm 1.58$  milli-arc seconds. **This produces a 1% uncertainty (margin of error) in today's scientific calculations related to Sirius.** Some scientific estimates for the orbital period of Sirius indicate 49.97, 49.94, 50.09, 50.12, etc.; but it is agreed that these numbers are approximation.

Therefore, the best that can be stated **scientifically** is that the **orbital period of Sirius is between 49.9 and 50 years but it is closer to 50!**

## Chapter 6 – The miraculous “Night Journey”

Our world bound by time, space, and its expanding galaxies light years away is the lowest heaven or the first sky in Islamic views. Beyond this world and in different dimensions, six other heavens exist that will only become visible and comprehensible to us only after death and at Judgement Day (e.g., 2:29, 71:15). However, certain individuals who reach the highest spiritual degrees of being truly submitted to the Will of Allah (SWT) are rewarded with some realities and facts of the hidden heavens while still living in this world. The Night Journey is one of those occasions and it is introduced in Sura 17 (Night Journey).

The Arabic word “عَبْدٌ” in Verse 17:1 (also in 53:10, 25:1, 2:23, etc.) means “**the one who truly and completely submits to the Will of Allah**” or a “**true worshipper**”; worshipping willingly out of Love and knowledge (not out of fear or for reward). Here, the word “عَبْدٌ” refers to the one who has achieved the highest degrees of obedience and submitting to the Will of Allah (SWT). **It represents a person who truly understands the Attributes of Allah (SWT) and fully practices them in his/her life**; folks who have reached the highest degrees in perfection of their soul and those who see Allah (SWT) in everything. A person whose thoughts, intentions, and deeds are aligned with the Will of Allah (SWT). It is a highly glorious and honorable title to earn. For a prophet, reaching this position may also include an ultimate physical and spiritual journey to touch the unseen heavens, observing the creation’s secret realities and learning Signs of Allah (SWT) that are far beyond the reach of ordinary people in our dimension of time/space.

The Night Journey described in multiple suras of the Holy Qur’an is about the journey of Prophet Muhammad (pbuh), the true worshipper (“عَبْدٌ”) of Allah (SWT), to the unseen heavens during the time when he was still living in Mecca (before Hijra). The Holy Qur’an displays the peak of prophet’s status in 33:56 by saying that **Allah (SWT) sends (continuously and forever) all types of His blessings (infinite) on the prophet and angels do the same**. Each person, based on her/his spiritual capacity and perfection, receives Allah’s blessings. The prophet possesses a unique capacity to receive such an immense blessing **continuously and forever!** Next, the verse commands the believers to also send their blessings to the prophet and to surrender to his teachings! In conclusion, it means that we must try in our hearts to establish a similar connection with the prophet while complementing it in our actions by following his teachings. Therefore, the prophet has reached such a unique level in being Allah’s true worshipper (“عَبْدٌ”) that Allah (SWT) and all the angels continuously shower him with their blessings. **That clarifies why the prophet deserved to experience the Night Journey!**

*“Allah and His angels send blessings on the Prophet;  
O you that believe! Send you blessings on him, and surrender to the prophet’s guidance” 33:56*

The Night Journey is briefly summarized below. Verse 17:1 of the Holy Qur’an emphasizes that the journey occurred during the night (i.e., both the Arabic words “أَسْرَى” and “لَيْلًا”). Only Allah (SWT) knows the true purpose of the journey, but it has been suggested that the journey was to show the hidden secrets of creation to the prophet, the form and essence of our existence and actions. The verse also emphasizes the close nature of prophet’s relationship with Allah (SWT) (by being called “عَبْدٌ”), the one who has truly surrendered to Allah (SWT) and has reached the perfection of his soul. It is the ultimate celebration of humanity, the perfection of soul, and flying higher than the angels. The existing historical records vary regarding the exact year/month of the Night Journey due to the improper calendar system of the pagan Arabs prior to the adoption of the Islamic Hijri Calendar (explained in Chapter 3). Sometime during that special night, angels miraculously took the prophet from where Kaaba is ( الْمَسْجِدِ الْحَرَامِ ) to Al-Aqsa Mosque ( الْمَسْجِدِ الْأَقْصَا ) in Jerusalem and then raised him up to the heavens to experience the unseen realities of creation, to meet some of the angels, and to spiritually get as close as possible to Allah (SWT). A blessing beyond the dimensions of time and space. Historical narrations state that the prophet met some of the previous prophets (including Prophet Jesus, pbuh) and they all prayed together in the house of worship (Al-Aqsa) in Jerusalem; built by Prophet Solomon (pbuh).

سُبْحَنَ الَّذِي أَسْرَى بِعَبْدِهِ لَيْلًا مِّنَ الْمَسْجِدِ الْحَرَامِ إِلَى الْمَسْجِدِ الْأَقْصَا الَّذِي بَارَكْنَا حَوْلَهُ لِنُرِيَهُ  
مِنْ ءَايَاتِنَا إِنَّهُ هُوَ السَّمِيعُ الْبَصِيرُ

*“Exalted is He who took His **true worshipper by night** from the House of Worship (“al-Masjid al-Haram” in Mecca) to the Remote House of Worship (“al-Masjid al-Aqsa” in Jerusalem), whose surroundings I have blessed, **to show him of Our signs**. Indeed, He is the Hearing, the Seeing.” 17:1*

Multiple verses of Sura 53 disclose additional details about the prophet’s journey to the heavens. Archangel Gabriel, in his true form and shape (53:6), was in the upper heavens (53:7) beyond our access and observation. He descended and approached the prophet (53:8) until their distance was as close as

two bows length or closer (53:9); symbolically, meaning very close. Please note that Sura 53 verses 7, 8, 9, and 10 apply to the Night Journey as well as to when Archangel Gabriel came down, appeared in his true form in the Hira cave, and delivered God's revelation to the prophet for the first time. With the permission of Allah (SWT), the angels can appear in different forms. An angel's image may be projected in its true form, in the form of a human being, or other forms. Most times during the years, Archangel Gabriel appeared to the prophet in the form of a human being except on two occasions when the prophet saw him in his true form and shape. The first time was in the cave of Hira when the prophet was commanded to read in the name Allah (SWT). The second occasion was during the Night Journey in a location in upper heavens symbolically described as near the "Lote tree of the outmost boundary" (53:13-14). It is a symbolic barrier or curtain that covers or obscures the area beyond it. No angels are allowed beyond it. Lote tree is one of the two trees that were considered very special for its fruit and shade by the ancient Arabs. Every part of the tree is used for medicinal purposes. According to the interpretation of Verse 53:14, this is a congregation place of the angels resembling a comfortable and peaceful place (symbolized to being under the comforting shade of a Lote tree) (53:14, 53:16). **Thinking about it logically, a place filled with the Light of Allah (SWT) is, for sure, the most peaceful place!** This place is located near the promised Garden (53:15). The place itself and things that are happening there can't be comprehended by ordinary humans with our limited worldly knowledge (53:16). Some narrations from the prophet state that the entire space was filled with angels submitting to Allah (SWT). No angels are permitted to go further beyond the utmost boundary (53:14) but Allah (SWT) commanded the prophet to proceed ahead alone (53:18).

Further up the heavens **with Light upon Light**, the prophet was presented with the hidden essence of existence, secrets of the creation, the Greatness and Reality of Oneness of God, Judgement Day, the true nature and form of our actions, and heaven and hell (53:10). In this world, we can hide our true nature (intention, thoughts, feelings and desires) from others, but such things are not hidden in the higher heavens. They take shape and become visible. During the Night Journey, the prophet was granted insight into the true nature of certain individuals whom he knew. The gates of Heaven and Hell were opened so he got a glimpse of them. He also met the other angels (Michael, Israfil, and Azrael). His heart filled with Light; the prophet was blessed to observe more Signs of Allah (SWT). He returned to Mecca during the same night in time to perform the morning prayer in Mecca.

The Holy Qur'an emphasizes that the prophet did not err and what he saw was true (53:2, 53:11, 53:12, 53:17, 53:18). It wasn't a dream or imagination as disbelievers claimed. The Night Journey was exactly as he had described it, and he had not been misled by the angels.

Until the 20th century, the concept of the expanding universe was entirely beyond the grasp of human comprehension. If someone had dared to mention it a couple of hundred years ago, they might well have been branded as eccentric or even accused of witchcraft. Even today, our scientific understanding remains in its infancy when it comes to comprehending a universe devoid of the constraints of time and space, and the mysteries of miraculous events like the Night Journey. *It would be illogical to dismiss such phenomena simply because our current scientific framework struggles to explain it.*

Furthermore, the Creator, who has fashioned every facet of existence, including the very constructs of science, time, and space, undoubtedly wields boundless authority over all things. He possesses the capacity to orchestrate a secure mechanism for such a journey through any means He deems fit. Just as a software program operates within the bounds of its algorithm and design but can be dynamically modified by its creator through direct external commands that bypass and interrupt its normal course, so too can Allah (SWT), in His supreme authority, alter, override, and bypass His own Design if He so wills. Prophet Moses (pbuh) dropped his staff to the ground, and it turned into a serpent (7:107). Let us assume, for the sake of scientific speculation, that it was a wooden staff. From a scientific standpoint, one can envision the following scenario: over the course of millions of years, the wooden staff would undergo decomposition and become part of the natural cycles. Its constituent elements might eventually contribute to the creation of living organisms or be consumed by them. Among the countless possibilities that nature offers, one could speculate that, in theory, over this vast expanse of time, the wood could potentially evolve into various forms, such as a serpent, a bird, or other life forms. Now, let's assume that you can bypass the dimension of time and space but still follow the above sequence of stages in the blink of an eye. Since you eliminate the "time" from the equation, the wooden stick would turn into a serpent instantaneously! We would call the entire scenario a miracle because we are not able to comprehend it with our limited science and we mistakenly "assume" that it is impossible.

There are also many other miraculous events (with Allah's permission) described in the Holy Qur'an that today's science is still incapable to explain; for example, the birth of Prophet Jesus (pbuh) without a father and only having a virgin mother (19:20-21), the safe rescue of Prophet Abraham (pbuh) from the scorching fire that he was thrown in by the idol worshippers (21:69), Prophet Jesus (pbuh) bringing the dead back to life (3:49), or Prophet Moses (pbuh) crossing the sea (2:50, 26:63), and many

other miracles! Two thousand years ago, proposing that humans could one day journey to the Moon would have been met with resounding rejection by the scientists of that era, as their understanding of the principles of flight and engineering was vastly limited. In a similar vein, our contemporary scientific knowledge is but a small droplet in the vast ocean of knowledge. It would be exceedingly naive for us to presume that all aspects of the universe must conform to the rules set forth by our present scientific understanding. Can I scientifically prove that Prophet Jesus (pbuh), **with Allah's permission**, brought the dead back to life? At the present time with our limited science, the answer is "no". Can you scientifically prove that he didn't do it?!

The folks who don't even want to think about the possibility of such miracles, can't explain how there are almost 800 verses of the Holy Qur'an that delve into scientific knowledge, nature, Astronomy, and other facts that were yet to be discovered 1400 years ago! Was the Night Journey some kind of time travel, portal, wormhole, instantaneous transfer of matter? Could it be through a direct Command and Will of Allah (SWT) beyond constraints of time and space (2-117)?

بَدِيعُ السَّمٰوٰتِ وَالْاَرْضِ وَاِذَا قَضٰى اَمْرًا فَاِنَّمَا يَقُوْلُ لَهُ كُنْ فَيَكُوْنُ

***"Originator of the heavens and the earth.  
When He decrees a matter, He only says to it, "Be," and it is." 2-117***



## Chapter 7 – The “Night Journey” and the Sirius stars

Praise to Allah (SWT) for His infinite Signs designed as a Mercy for us. Praise be to Him for each drop of rain and for each grain of wheat. Learning His Attributes translates into more spiritual Light. Having more Light would enable us to practice His Attributes in the society and facilitates more learning, the circle of spiritual life! Discovering something new in the Holy Qur'an is exciting and wonderful but it is not the ultimate goal. Instead, the learning journey itself, is the experience that takes us closer to Allah (SWT). While researching Sura 53 (“The Star - النّجم”), I was both surprised and excited to uncover certain facts suggesting a possible link between the Night Journey and the Sirius stars. Some of the discoveries in this book are significant, while others are more subtle in nature. I have chosen to include a comprehensive list of these discoveries because I believe that even small insights today may pave the way for larger revelations in the future. It is widely acknowledged that the verses of the Holy Qur'an encompass both layers of apparent and concealed meanings. As science progresses and our knowledge expands, new understandings continue to emerge. **Multiple chapters of this book demonstrate how all the verses related to the Night Journey in suras 17 and 53 are intertwined like a web. It is also shown that verses 53:1, 53:9, and 53:49 are also related to the Night Journey in many special ways.**

Sura 53 ("The Star") begins with the verse “**By the star when it rises (and sets)**”. Next, it quickly moves to describe the details of the Night Journey. It's worth noting that some years ago, other Islamic researchers had suggested that the mention of Sirius in Verse **49** may hint at an orbital period of approximately **49** years (see chapters 4 and 5 for the scientific data). That was a wonderful idea but lacked detailed proof. **I wondered if the contents of Verse 53:9 may also be talking about the orbit of Sirius stars** (see “bow and arrow” in Chapter 4) in addition to its traditional meanings and interpretations. Would it be possible to obtain a more precise orbital period of Sirius from the above two verses? Is it possible for Verse 53:9 to be also related to the orbit of the Sirius stars since it talks about “distance” and “bows” (bows resembling a portion of an orbit or an arc)? **Could the Night Journey and Sirius be interconnected somehow?** This is how the research in this book started.

## Section 7.1 - "Two Bows" in Verse 53:9

فَكَانَ قَابَ قَوْسَيْنِ أَوْ أَدْنَىٰ

*"And was at a distance of two bows' length or (even) nearer" 53:9*

The above verse is one of the verses describing the Night Journey. The traditional interpretation of this verse beautifully portrays the spiritual proximity between the prophet and Allah (SWT), as well as the physical closeness between the prophet and Archangel Gabriel. However, it's important to recognize that Qur'anic verses are inherently dynamic and often contain multiple layers of hidden meanings. Our research team would like to present the idea that 53:9 may also be related to the orbits of Sirius stars during the Night Journey. This book will not only clarify the reason behind it but also will provide numerous supporting scientific and historical proofs.

The ancient methods of length measurement were based on the human body parts. The Arabic word "قَوْسَيْنِ" used in the Verse 53:9 means "the distance between the 2 ends of a bow" (i.e., bow and arrow), or "the distance from the tip of the middle finger to the elbow (i.e., Cubit)". These used to be units of measurement in ancient times. Some scholars have stated that the verse may also refer to the distance of the center of the string from the center of the bow. Additionally, there are historical records from ancient civilizations visualizing Sirius as part of a bow and arrow in the sky (see Chapter 4).

According to the traditional interpretations, the verse illustrates the remarkable physical proximity between the prophet and Archangel Gabriel during their meeting on the Night Journey. The distance between them was physically "two bows' length or closer". Some other interpretations state that the verse also refers (symbolically) to the **spiritual** nearness between Allah (SWT) and the prophet during the Night Journey (since Allah (SWT) is beyond space and time so physical distance to Him doesn't apply).

Why does Verse 53:9 get into such specific details of how close the Archangel and prophet were? Why not just say that they were "face to face" or "near each other"? Were they not close in the cave of Hira or other occasions?! **Why is it specifying the exact distance in this verse?!** Perhaps, Verse 53:9 is also conveying a completely different meaning and concept. The primary focus of this book is not to delve into the traditional meanings of the verse mentioned above. Instead, it aims to introduce a new scientific perspective that can complement the existing interpretations. Since a portion of the orbit of a celestial body resembles a bow, could another meaning of this verse symbolically be related to the orbit of Sirius stars considering that Sirius is mentioned in this sura?

## Section 7.2 - "Distance of Two Bows" in Verse 53:9

*"And was at a distance of **two bows**' length or (even) nearer" 53:9*

In chapter 5, it was explained that the Apastron position of Sirius A and B stars refers to their positions on their orbits when they are farthest away (Figure 12) from each other. Figure 13 visualizes looking at Sirius "A" from high on the Z axis (above Sirius "B") when they are in Apastron. Only the intersecting orbits where Sirius A is located are shown. Alternatively, one may view the same bows from above the virtual **barycenter** (K) of this binary system.

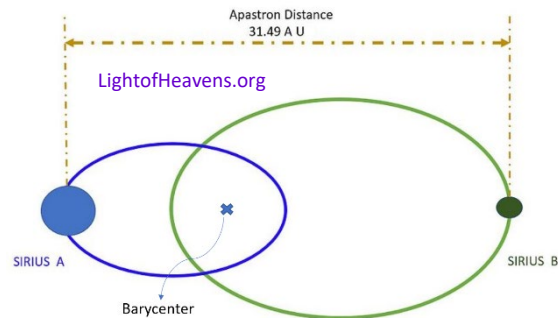


Figure 12 - Apastron position

For simplicity, imagine that all the arcs (orbits of Sirius A and B) are on the XY plane, and you are looking down at them from the Z axis (on the plane of the vertical dashed lines). You see two perfect bows (the inner bow "CMD" and the bigger outer bow "CAD") like a moon crescent (Figure 14). "CMD" is part of the orbit of Sirius B while "CAD" is part of Sirius A's orbit. Sirius B must be at Apastron for these 2 bows to look exactly like real bows and for your viewing plane of the vertical dashed lines to bisect "CMD" and "CAD" arcs equally. Only when the two stars are either at Apastron or Periastron, if you draw a line between Sirius A and B then it would bisect both arcs equally (plane of the vertical dashed lines). **If you move Sirius A or B to other locations on their orbits and look at the 2 intersecting arcs from such a new position then you would be observing "CMD" and "CAD" arcs with an angle other than 90 degrees, and they would not resemble the shape of real bows.** At Apastron position, standing high above the barycenter, you also see two perfect bows looking at either Sirius A or B (Figure 13).

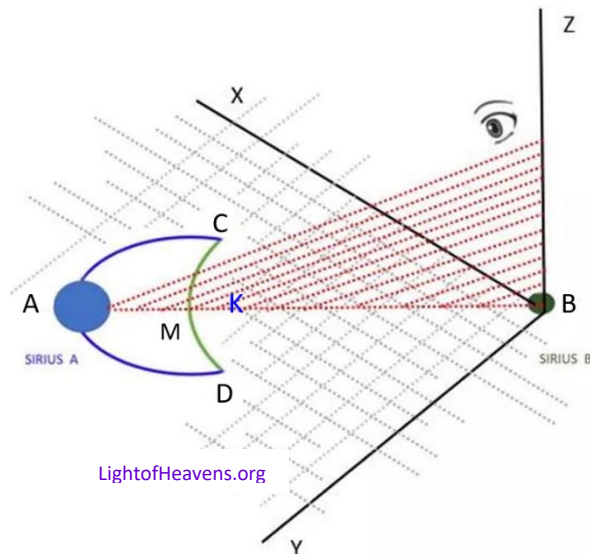
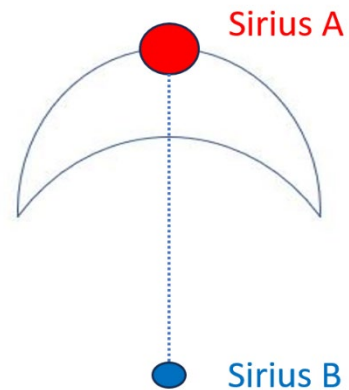


Figure 13 - Two Bows - Sirius A

Orbits of Sirius A and B are a bit tilted and are not on the same plane (making our discussion even more obvious). Looking from the above, Figure 14, Sirius B is closer to the inner bow than the outer bow. Additionally, the inner bow is smaller than the outer one.

Figure 14 - Orbits seen from above



In Figure 15 and at Apastron, standing on Sirius A, looking at B, there are 2 perfect bows with the dashed red bow smaller and closer than the dashed blue bow. Standing on Sirius B, looking at A, there are also 2 perfect bows with the solid blue bow smaller and closer than the solid red bow. [Matching Verse 53:9](#), there are two separate bows with one shorter or nearer than the other!

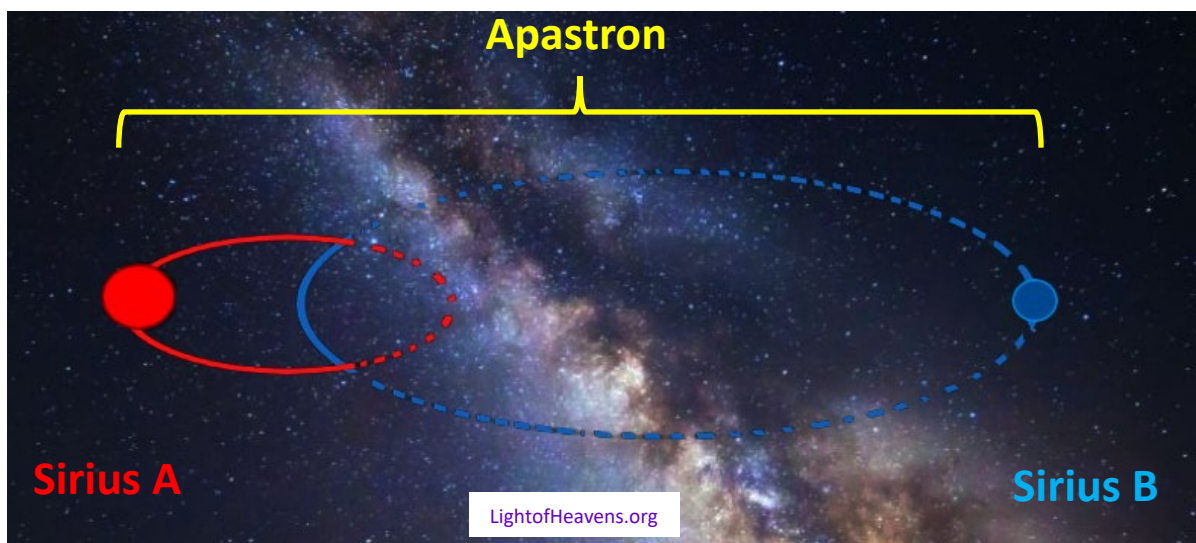


Figure 15 - Two Bows; one closer than the other

### Section 7.3 - "Even Nearer" in Verse 53:9

*"And was at a distance of two bows' length or (even) nearer" 53:9*

Why is the Holy Qur'an using the phrase "**even nearer**" or "maybe nearer" in the last part of Verse 53:9? Obviously, Allah (SWT) knows exactly what the mentioned distance was during the Night Journey. If the distance was exactly equal to 2-bows then the phrase "or even nearer" wouldn't make sense. If the distance was closer than 2-bows then the verse could have simply said "not exactly 2-bows" or "a little shorter than 2-bows". Another possibility is that the distance was equal to two bows in one case (on the way up to the heavens) but it was less than 2 bows on another occasion (on the back to Earth). **This would agree with Verse 53:13.** However, talking about the stars, **maybe the verse hints that there are 2 bows and one of the bows was closer and/or smaller than the other one.** Since the actual elliptical orbit of Sirius A is physically much smaller than the orbit of Sirius B, the distance between each star and the inner intersecting arc is physically smaller than its distance to the outer intersecting arc. Therefore, "BM" is shorter than "BA" (Figure 13, "BM" < "BA"). Additionally, the actual length of the inner arc is always smaller than the outer arc regardless of looking at them from Sirius A or B (i.e., "CMD" < "CAD"). In conclusion, the entire verse may mean that **there are 2 perfectly shaped bows but one of them is closer and smaller than the other one!** That would be describing the Apastron position of the stars.

### Section 7.4 - "Two" in Verse 53:9

*"And was at a distance of **two** bows' length or (even) nearer" 53:9*

It is also interesting that Verse 53:9 specifically uses the phrase "**Two**" in referring to the bows (instead of saying "**twice or double** the length of a bow"). Therefore, it must be two independent bows. Remember that Sirius B was discovered recently in 1862. It is possible that by using the phrase "Two", it is saying that:

**There are "two" stars, "two" distinct orbits, and "two" distinct bows  
with different lengths, and one is closer (shorter) than the other!**

Is the above discussion enough proof to connect the Night Journey with Sirius? The answer is "No". But if Verse 53:9 is related to the orbits of the Sirius stars then that would establish a relationship between 53:9 and 53:49. Are the verses telling us something about the Night Journey?

## Chapter 8 – All the verses related to the “Night Journey”

This chapter is the groundwork for Chapter 9, which serves as the central focus of this book. It provides detailed calculations of the orbital period of Sirius based on Sura 53. What are all the verses related to the Night Journey? The answer plays a very important role in researching the Night Journey. Verse 1 of Sura 17 ( **Night Journey** - أُسْرَى ) introduces the Night Journey, while Sura 53 ( **The Star** – النَّجْم ) provides further details of the story and names the Sirius star. Seventeen verses are related to the Night Journey. We will review each verse later in this section.

**Sura 17** (Verse 1) and **Sura 53** (verses 1, 2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 49)

*“Exalted is He who took His **true worshipper** (prophet) by **night** from the House of Worship (“al-Masjid al-Haram” in Mecca) to the Remote House of Worship (“al-Masjid al-Aqsa” in Jerusalem), whose surroundings I have blessed, to show him of Our signs. Indeed, He is the Hearing, the Seeing.” 17:1*

*“By the **star that rises (and sets)**” 53:1*

*“Your companion [Muhammad] has not strayed, nor has he erred” 53:2*

*“(Archangel Gabriel) One of soundness, and he rose to (his) true form” 53:6*

*“While he (Gabriel) was in the highest part of heavens” 53:7*

*“Then he (Gabriel) approached and descended” 53:8*

*“**And was at a distance of two bows' length or (even) nearer**” 53:9*

*“Then Allah revealed to His **true worshipper** what He had revealed (through) Gabriel” 53:10*

*“The (prophet's) (mind and) heart in no way falsified that which he saw.” 53:11*

*“Will you then dispute with him concerning what he saw?” 53:12*

*“And indeed he (prophet) saw him (Gabriel) at a second descent” 53:13*

*“Near the Lote tree beyond which none may pass” 53:14*

*“Near it, is the Garden of Abode” 53:15*

*“Behold, the Lote tree was shrouded (in mystery)” 53:16*

*“(prophet's) sight never swerved, nor did it go wrong!” 53:17*

*“For truly did he see, of the Signs of his Lord, the Greatest!” 53:18*

*“**That He is the Lord of Sirius**” 53:49*



Let's examine each verse. Some Islamic scholars and researchers have already attributed [Verse 53:1](#) to the Night Journey (i.e., prophet's ascent to the heavens and descent on the return trip; a shining star of humanity, or perhaps sending the Holy Qur'an from the heavens, Sura 97). Verse 53:1 is also discussed in Chapter 11 of this book with a **scientific viewpoint** related to the Sirius star's yearly rise (appearance) and fall (disappearance) in the sky. Latter chapters of this book demonstrate conceptually and mathematically how 53:1 is part of the Night Journey's group of verses!

وَالنَّجْمِ إِذَا هَوَىٰ

*"By the star that rises (and sets)" 53:1*

How about [Verse 53:2](#)? For the initial forty years of his life, Prophet Muhammad (peace be upon him) bore the esteemed title of the 'most trustworthy' in Mecca. People entrusted their entire wealth and families to him during their long journeys and always sought his counsel in resolving disputes. One notable incident revolves around the Black Stone embedded in the wall of the Kaaba. A potential conflict loomed among various pagan Arab tribes, each vying for the honor of relocating the Black Stone during a reconstruction of the Kaaba. Recognizing the prophet's reputation for fair judgment, they turned to him for a solution, an event that predates his prophethood. Prophet Muhammad (pbuh) requested a substantial piece of fabric, upon which the Black Stone was carefully placed. He then proposed that a representative from each tribe be selected to jointly lift and carry the cloth. With the prophet's guidance, they successfully lifted the Black Stone and he, himself, placed it within the Kaaba's wall, averting the impending conflict and bloodshed.

Interestingly, only a few years later as soon as he began his prophetic mission at the age of 40, the disbelievers began accusing him of being misled, deceived, crazy, misguided, and many other insults. Additionally, they were also accusing Archangel Gabriel of dishonestly and mischief (2:97); selfishly claiming that he had delivered the Holy Qur'an to the wrong person and wrong race. After the Night Journey, the accusations were intensified. The enemies also tested the prophet by questioning him about the exact details of what he had seen in Jerusalem and during the trip between Mecca and Jerusalem. For example, they asked him about the structure and surroundings of the mosque in Jerusalem and about any caravans travelling between Mecca and Jerusalem. When looking at [Verse 2 along with the supporting](#)

verses 11, 12, and 17, it becomes evident that Verse 53:2 is also related to the Night Journey in addition to generally being about the prophetic mission.

*“Your companion [Muhammad] has not strayed, nor has he erred” 53:2*

*“The (prophet's) (mind and) heart in no way falsified that which he saw.” 53:11*

*“Will you then dispute with him concerning what he saw?” 53:12*

*“(his) sight never swerved, nor did it go wrong!” 53:17*

Finally, verses 1 and 2 could be viewed as: **Allah (SWT) is swearing by the star (i.e., “Sirius” because of its connection with the Night Journey) that the prophet has not erred and has not been misled in describing the Night Journey. In other words, swearing that the Night Journey occurred.** Please see Chapter 19 for more detailed proof of how verses 1, 2, 11, 12, and 17 are related mathematically. More evidence will be presented in the latter chapters regarding the inclusion of verses 1 and 2 in the group of Night Journey verses.

Verses 3, 4, and 5 of Sura 53 are about the Holy Qur'an being revealed to the prophet's heart and according to most interpretations are not related to the Night Journey. Verses 6, 7, and 8 are about both “the first time when Archangel Gabriel contacted the prophet in the cave of Hira” and “during the Night Journey”. Both cases are about Archangel Gabriel appearing in his true form and shape, being in higher heavens, and coming towards the prophet to meet him. Verses 9, 13, 14, 15, and 16 are obviously describing the Night Journey. Verse 10 could be applied to all the occasions (including Night Journey) that Archangel Gabriel delivered revelations to the prophet. Verse 17 states that the prophet saw everything correctly and without errors. Verse 18 talks about the Signs of Allah (SWT) that were shown to him during the Night Journey. Finally, this book provides much proof as to why Verse 49 (about Sirius) is also related to the Night Journey. The verses are listed earlier in this section and in Figure 44 of the Reference Material section. We will re-examine this group of verses in many ways proving that they are truly related. For the time being, please consider them as the Night Journey's group of verses. Future chapters of this book gradually provide more proof.

**In conclusion, there are a total of 17 Night Journey verses contained in 2 suras:**

**Sura 17 (Verse 1) and Sura 53 (verses 1, 2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 49)**

## Section 8.1 – Mathematical coding of the Holy Qur'an

You can envision the contents of Holy Qur'an as a complex woven web of verses interconnecting each other through the "subjects being discussed", "mathematical relationships", "letters and words", "tones", and other things based on different codes. Mathematical coding is like a **multi-layer encryption** connecting verses across suras with **prime numbers and divisors**. For example, if divisors of a verse provide a relationship then usually its "sum of the divisors" also provides other interesting information. Additionally, there are mathematical relationship between groups of verses across multiple suras while each of those verses may be involved in other mathematical relationships with other suras across the Holy Qur'an.

We emphasize that **some** of the Holy Qur'an's contents (**but not everything that is claimed**), verse numbers, words, and letters are miraculously related to and coded mathematically with the prime number 19. You can think of it as one of the many encryption keys or passwords used in the Holy Qur'an.

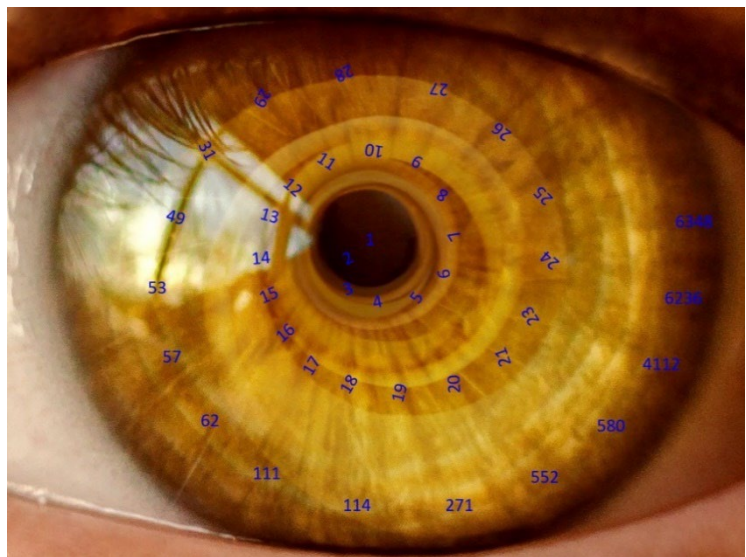


Figure 16 - Encryption of the Holy Qur'an

**We are not promoting or supporting all the claims about number 19.** For example, throughout this book (e.g., Chapters 15-19), we include **Sura 9** having **129 verses**; hence invalidating some of the false number 19 theories. On the other hand, we do not deny that some mathematical relationships with 19 exist and we demonstrate them in this book. **However, 19 is not the only code in the Holy Qur'an.** The Holy Qur'an is also coded with other numbers as you see in this book. At least 40 mathematical calculations (associated with the Night Journey) pointing to the following numbers **7, 9, 17, 19, 41, 49, 53, 62, 111, 271, 367, 552, 580, 1953, and 4112** were shown in chapters 8-19. A list of the discovered codes

and their frequency of appearance in various calculations is provided in the table below. For example, prime number 17 was encountered 15 times in various calculations!

Number	Description	Frequency
"7"	One of the main encryption codes in Qur'an	18
"9"	Verse number 9 in Sura 53 describing the orbit of Sirius	24
"17"	Sura number 17 where the Night Journey is introduced, and the total number of Night Journey's verses, and one of the main encryption codes	15
"19"	One of the main encryption codes in Qur'an	22
"41"	Total number of verses between verses 53:9 and 53:49 inclusive	1
"49"	Verse 53:49 describing the Sirius; also, orbital period of Sirius (49 years)	17
"53"	Sura number 53 where majority of Night Journey's verses are located, and One of the main encryption codes	7
"62"	Total number of verses in Sura 53 and a divisor for Sura "النَّجْم"	13
"111"	Total number of verses in Sura 17	1
"271"	Gematrical value of the Arabic word "أَسْرَى" meaning "Night Journey" and also a divisor for "رَبُّ الشَّعَرَى" meaning the "Creator of Sirius"	2
"367"	Number of Sidereal days	1
"552"	Gematrical value of the entire Verse 53:9	3
"580"	Gematrical value of the Arabic word "شَعْرَى" meaning "Sirius"	3
"853"	Gematrical value of Verse 53:1	1
"1953"	Sum of the verses in Sura 53	1
"4112"	Sum of suras/verses (from Sura 17 with 111 verses to 53 with 62 verses)	1

Figure 17 - Frequencies of codes

Figure 18 illustrates hypothetically how numbers, verses, and suras are intertwined and related. You can imagine it as a multi-dimensional sphere of connections and relations. Here, we only studied a couple of verses in suras 17 and 53. Imagine the complex relationship that exists among all suras and verses in the entire Holy Qur'an! There are total of 6348 verses in the Holy Qur'an (numbered and unnumbered verses). They are all connected to each other by subject, letters and words, science, and mathematics. The verses span over past, present, and future so they are also related by the dimension of time. In a way, you can imagine the Holy Qur'an as an infinite multi-dimensional web of connections.

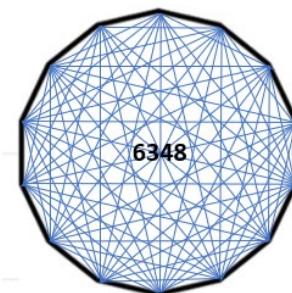


Figure 18 - Web of Codes

We've all had those moments in life when we sense that something out of the ordinary is about to unfold. It's that unmistakable feeling that creeps in just as you are preparing to leave your house, accompanied by an unsettling intuition that danger may be lurking. In response, you pause for 15 minutes before finally stepping out the door. As you merge onto the expressway, you encounter a wall of traffic that seems impenetrable. Later, you learn that a mere 15 minutes earlier, a major multi-car accident had occurred along your intended route. Was your uneasy feeling before leaving the house related to the accident that you avoided? Some people call it the sixth sense. Others say that God sparked the feeling in your heart, and you were protected. [Light of Allah \(SWT\) comes to each one of us, but do we notice it?!](#) I won't delve into the complex subject of why we receive inspirations from God, as it's a topic that could fill entire books. What I'm emphasizing here is that sometimes, certain ideas and emotions simply come to us. Whether there's a scientific explanation for these occurrences remains unknown. The initial idea of calculating the orbital period using verses 9 and 49 falls into this category of inexplicable events.

Discovering the orbital period of Sirius by using the verses of Holy Qur'an is an observation and discovery but it is not scientific. As we saw in Chapter 5, to scientifically calculate the orbital period of Sirius, astronomical observations need to be performed continuously over 50 years. Despite using modern technology, we will never have a 100% accurate number for the orbital period of Sirius.

[The calculation of the orbital period of Sirius using the verses of Holy Qur'an is a Sign and a discovery \(not science\). Despite the above understanding, the calculated number in this book meets the scientific criteria of "range" and it exhibits many interesting mathematical relationships far from being "random". Finally, the orbital period demonstrates a definite connection between the Sirius stars and the Night Journey.](#)



Figure 19 - Allah (SWT) opens all doors



## Section 8.2 – Calculation of the orbital period of Sirius

وَأَنَّهُ هُوَ رَبُّ الشَّعَرَى

*“And that it is He who is the Lord of Sirius” 53:49*

Sura 53, Verse 49 directly names Sirius. Additionally, as seen in previous chapters, Verse 53:9 in the same sura may also be attributed to this binary star system and the position of its stars on their orbits (see Ch. 7)! Based on the unique style of Holy Qur’an and often existence of certain mathematical relationships between specific verse/sura numbers and their contents, one could contemplate that the above verses (9 and 49) **together** may provide an important clue. Is there any hidden mathematical relationship between them? The Holy Qur’an may be talking about the orbital period of Sirius as 49.9 years. There are many other similar examples of special verse numbers being related to the subject of the verses in the Holy Qur’an, so this is not the first time that we see this type of relationship. It is an interesting idea but not proof. Please, let’s take another step. If you place the verse numbers 9 and 49 next to each other in their ascending order where they appear in Sura 53, they form the palindrome number 949. After dividing 949 by 19, we surprisingly get:

$$949 = ( 19 \times 49.947368421052631578947368421053 )$$

Amazingly the number 49.947368421052631578947368421053 begins with the whole number 49 along with a 30-digit fraction portion ending with 53. The fraction does not repeat.

**It is like the Holy Qur’an is encapsulating the orbital period by number 49 (Verse 49) and number 53 (Sura 53)! Additionally, the entire number (49.947368421052631578947368421053) is between 49.9 and 50 but it is very close to 50; meeting the scientific criteria for the orbital period of Sirius.**

This is not a scientific method. It looks random, and at this point, it is just an interesting idea and a huge leap of faith. We will examine this number throughout this book to prove that the above calculated number could be the actual orbital period of Sirius based on astronomy, science, mathematics, and

history. Chapters 9 and 10 clearly show how this number ties the Sirius stars with the Night Journey and some other important historical events. Chapter 11 shows the relationship of the above number with the yearly heliacal rising of Sirius.

Chapter 12 shows how this is related to the red color of Sirius around 140 CE. Ultimately, the overall discoveries in this book are too many to be brushed aside as “random”.

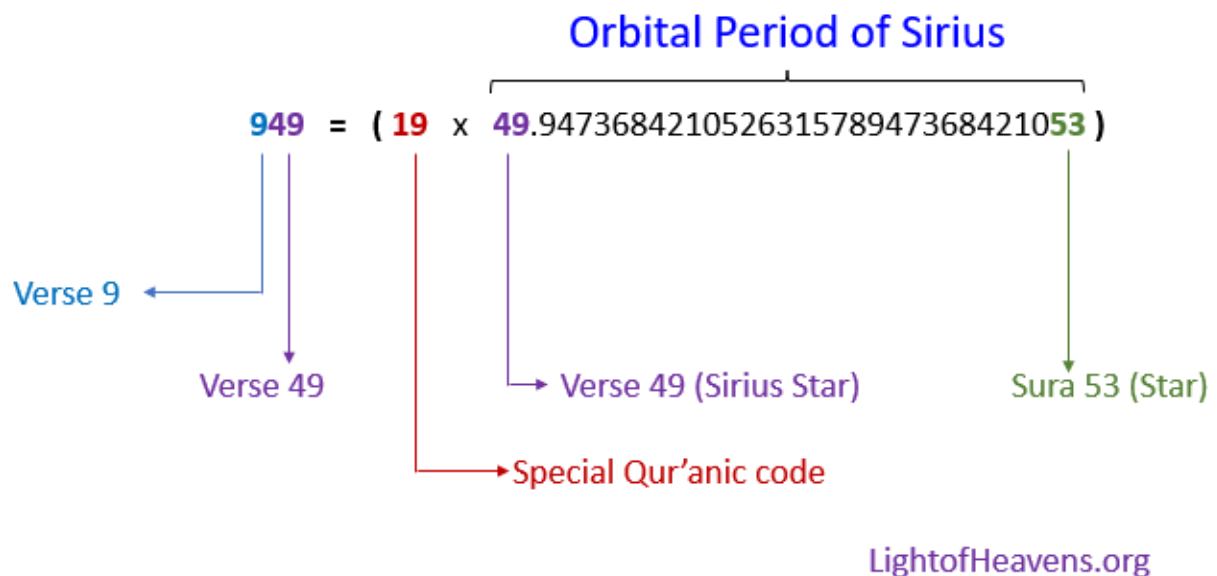


Figure 19 - Orbital period of Sirius

In this chapter, let's examine some mathematical properties of this 32-digit number before moving to Chapter 9 which is the heart of this book! More mathematical discoveries related to the above number will be presented in latter chapters. Please be patient to see how this calculated orbital period is related to the Night Journey.

### Section 8.3 – The orbital period of Sirius is also coded with the prime number 17

As we saw earlier, there are a total of **17 verses** related to the Night Journey in suras 17 and 53.

$$949 = 19 \times 49.947368421052631578947368421053$$

Let's take the above detailed orbital period 49.947368421052631578947368421053, ignore the decimal point and factorize the full 32-digit number:

$$49947368421052631578947368421053 = 17 \times 92639 \times 720793 \times 9277843 \times 4742553647369$$

Incredibly, the above 32-digit number is divisible by the above **five prime numbers** including prime number **17** which happens to be the **total number of verses related to the Night Journey** and **also represents Sura number 17 where the Night Journey is introduced!** Additionally, 17 is one of prime numbers that is used in the encryption of the Holy Qur'an. Isn't that amazing?! Number 17 is one of the few Fermat Primes and it is used in Cryptography (see Chapter 17).

### Section 8.4 – Third discovery about the orbital period of Sirius

Adding the digits of the 30-digit fraction portion of the calculated orbital period

$$947368421052631578947368421053$$

$$(9+4+7+3+6+8+4+2+1+0+5+2+6+3+1+5+7+8+9+4+7+3+6+8+4+2+1+0+5+3) = 133$$

$$\text{where } 133 = 7 \times 19 \quad \text{As you can see, code 19 shows up again!}$$

More mathematical properties of the orbital period are discussed in Chapter 15 of this book. We need to move on to Chapter 9 now to see how the above calculated period ties to the Night Journey.

## Chapter 9 – Timing of the "Night Journey"!

In the previous chapter, some mathematical relationships between verses 9 and 49 were shown and the potential orbital period of Sirius up to 32 digits (**49.947368421052631578947368421053**) was calculated. It is fascinating to see all the mathematical properties of this number in relation to the verses and suras of the Night Journey. However, could this number be tied to the Night Journey? For ease of demonstration, let's use the above number with its first 4 decimal digits (**49.9473**) in the rest of this book. In latter chapters, more discoveries are listed regarding verses 9 and 49 further proving that they are related in many more ways and strengthening our claim that the above number is the period of Sirius. **We know from chapters 4 and 5 that the period of Sirius is scientifically between 49.9 to 50 years, but it is close to 50.** This chapter along with chapters 10-15 provide more discoveries and proof related to the above calculated period.

We mentioned that Verse 9 could refer to the Apastron position of the Sirius stars (see Chapter 7). How is the "Night Journey" related to the Sirius binary stars' orbit? Let's do a quick review. Sirius A and B stars are together in elliptical orbits. It takes approximately 49.9+ solar years for a complete orbit. **Based on the published scientific data, the most recent estimated time that Sirius A and B were the closest to each other (Periastron) was in the year 1994.31 CE and the farthest from each other (Apastron) was in 2019 with some approximation about the month.** Looking back at Section 5.1, the time that it takes to travel from the periastron to apastron is half of the orbital period. Therefore, the scientific date for the most recent apastron based on our calculated period is:

$$1994.31 + (49.9473 / 2) = 2019.28 \text{ CE}$$

Most recent periastron      Orbital period      Most recent apastron

Now, let's begin with the year **2019.28 CE** and step backwards in the history, each time subtracting our calculated orbital period of **49.947368421052631578947368421053** years, to determine the previous times in history when the two stars had also been in the Apastron position (approximately every 49.9 years). Does it point to any important historical dates?!

For example,

(2019.28 - 49.947368421052631578947368421053) = 1,969.3326315789473684210526315789 and

then (1,969.3326315789473684210526315789 - 49.947368421052631578947368421053) =

1,919.3852631578947368421052631579 and so on.

Below, please see the calculated years for all the occasions when Sirius A and B were farthest apart from each other (Apastron) (every 49.9473 years), from 2019 until 570 CE.

Each time subtracting the Orbital period of 49.947368421052631578947368421053	
<b>2019.28</b>	<b>Most recent apastron</b>
1,969.3326315789473684210526315789	Previous apastron
1,919.3852631578947368421052631579	Previous apastron
1,869.4378947368421052631578947368	Previous apastron
1,819.4905263157894736842105263158	Previous apastron
1,769.5431578947368421052631578947	Previous apastron
1,719.5957894736842105263157894737	Previous apastron
1,669.6484210526315789473684210526	Previous apastron
1,619.7010526315789473684210526316	Previous apastron
1,569.7536842105263157894736842105	Previous apastron
1,519.8063157894736842105263157895	Previous apastron
1,469.8589473684210526315789473684	Previous apastron
1,419.9115789473684210526315789474	Previous apastron
1,369.9642105263157894736842105263	Previous apastron
1,320.0168421052631578947368421053	Previous apastron
1,270.0694736842105263157894736842	Previous apastron
1,220.1221052631578947368421052632	Previous apastron
1,170.1747368421052631578947368421	Previous apastron
1,120.227368421052631578947368421	Previous apastron
1,070.28	Previous apastron
1,020.3326315789473684210526315789	Previous apastron
970.38526315789473684210526315789	Previous apastron
920.43789473684210526315789473683	Previous apastron
870.49052631578947368421052631578	Previous apastron
820.54315789473684210526315789473	Previous apastron
770.59578947368421052631578947368	Previous apastron
720.64842105263157894736842105262	Previous apastron
670.70105263157894736842105263157	Previous apastron
<b>620.75368421052631578947368421052</b>	<b>Night Journey</b>
<b>570.80631578947368421052631578946</b>	<b>Prophet's birthday</b>

Figure 20 - Years when Sirius A and B were in Apastron position

Keep in mind that the year 1994.31 has a resolution of 2 decimal digits based on our discussion in Chapter 5. Therefore, all the above may introduce an inaccuracy of “a couple of days to a month” in the results.

Let me ask you: Aren't you surprised that both the years **620 CE** and **570 CE** appear in the above calculations?! Isn't that incredible? It would be illogical to think that it is just a coincidence! As you can see above, scientifically, **Sirius A and B were at the Apastron (farthest) in the years 620.7536 CE (Night Journey) and 570.8063 CE (prophet's birthday)**. Historically, there are various reported years/months (i.e., 620 CE, 621 CE) for the Night Journey. Based on our discussion in Chapter 3, the pagan Arabs' calendar (prior to the Islamic calendar) is not to be trusted at all since they arbitrarily used intercalation. Additionally, the existence of multiple reported dates for the Night Journey puts more doubt on their credibility. Therefore, the dates proposed in this research are just as good and even better than the historical reported dates. Additionally, our calculated date is based on the Holy Qur'an and is tied to the orbit of Sirius where it shares Sura 53 with the Night Journey!

**This research strongly suggests that the Night Journey occurred in the leap year 620 CE (620.7536).** If we had a more precise scientific number for the year 1994.31 CE, then we could have had a better estimate for the specific day! Using scientific moon data for **620.7536 CE** (full 32 digit **620.75368421052631578947368421052**), the Night Journey was at **20:21:43 pm, on Wednesday, October 1, 620 CE** (during the heliacal rising of Sirius). See the next page for all the calculations. **At that time, Sirius A and B were at the Apastron position forming two perfect bows (Verse 9) with one being closer than the other! It was also during the heliacal rising of Sirius (Chapter 11) agreeing with 53:1.** The scientific moon data<sup>13</sup> going back to the year 620.7536 CE shows that it was a moonless night. At 22 pm on that night, the new moon was born and it was visible on the next day.

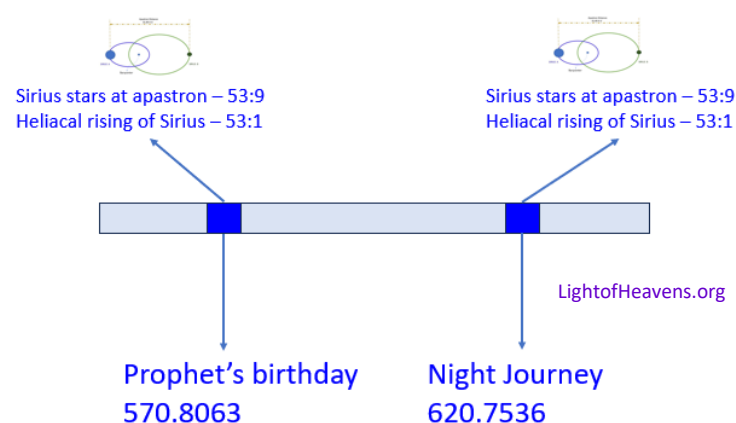


Figure 21 - Timeline of Prophet's birthday, Night Journey, and Sirius

<sup>13</sup> QuickPhase Pro v5



## Calculations

Calculated year: **620.75368421052631578947368421052**

The fraction provides the number of days in the leap year 620 CE. Therefore, multiplying it by **366** (because of leap year) would give the day number:

$$366 \times 0.75368421052631578947368421052 = 275.84842105263157894736842105032$$

The 275<sup>th</sup> day in a leap year is October 1. Please see Figure 51 in the Reference Material (Chapter 22) for a table of days in a year. In the results above, the fraction represents the hour in a day. Multiplying it by 24 would give the hour:

$$24 \times 0.84842105263157894736842105032 = 20.36210526315789473684210520768$$

It is the 20<sup>th</sup> hour of the day. The new fraction represents the minutes in an hour. Multiplying it by 60 would give the minutes:

$$60 \times 0.36210526315789473684210520768 = 21.7263157894736842105263124608$$

It is the 21<sup>st</sup> minute. The final fraction represents the seconds in a minute. Multiplying it by 60 would give the seconds:

$$60 \times 0.7263157894736842105263124608 = 43.578947368421052631578747648$$

It is the 43<sup>rd</sup> second.

**Consequently, it was at**

**20:21:43 pm on Wednesday, October 1 in the leap year 620 CE.**

## Chapter 10 – Prophet’s birthday and age

It is a well-known fact that **Prophet Muhammad (pbuh) was born in 570 CE (i.e., Year of the Elephant)!** The same exact astronomical event (Sirius A and B being farthest away from each other) occurred both in the year when the prophet was born, and approximately 49 years later when the Night Journey happened! **Both 620 CE and 570 CE coinciding with the Sirius stars being at Apastron is not random! Also, both above dates coinciding with the summer heliacal rising of Sirius agrees with Verse 53:1.** It gives a great amount of credibility to our calculated orbital period of 49.9473. Based on the above calculations, another interesting fact is that at the time of the Night Journey, the prophet may have been approximately 49 years old! **Again, number “49” is involved (Verse 49).**

Based on the scientific date of 1994.31 CE with 2-decimal digit resolution, the calculated year 570.8063 (**570.80631578947368421052631578946**) points to **7:19:34 am, Tuesday, October 21, 570 CE**. Please see the next page for all the calculations. **At that time, Sirius A and B were at the Apastron position, forming two perfect bows!** The scientific moon data going back to 570.8063 CE shows that it was a Tuesday, and the first quarter moon was on the next day<sup>14</sup>. However, this date also matches the yearly heliacal rising of Sirius, Verse 53:1 (*“By the star that rises”*). **How incredible is it that our calculated orbital period of Sirius (based on verses 53:9 and 53:49) leads to the years 620 CE (Night Journey) and 570 CE (Prophet’s birthday) when the Sirius stars were at the Apastron position?!**

Billions of years ago, Allah (SWT) created the universe. The Big Bang, expansion of universe, formation of the Earth, Sirius stars, and many other things happened. According to His Design, it finally reached the point in time when the **orbital period of Sirius settled at approximately 49 years which Allah (SWT) mentioned in Verse 49 of Sura 53**. In the year 570 CE, the last prophet was born. **Approximately 49 years later in 620 CE**, he was raised to the heavens during the Night Journey at the yearly heliacal rising of Sirius. The most fascinating part is that the Sirius stars are described in Verse 49 of the Holy Qur’an in the same sura discussing the Night Journey. The whole thing is designed by Allah (SWT)!

*“He is Allah, the Creator, the Evolver, the Designer. To Him belongs the Most Beautiful Names (Attributes): whatever is in the heavens and on earth, declares His Praises and Glory: and He is the Exalted in Might, the Wise.” 59:24*

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<sup>14</sup> QuickPhase Pro v5

Calculated year: **570.80631578947368421052631578946**

The fraction provides the number of days in the year 570. Therefore, multiplying it by 365 would give the day number:

$$365 \times 0.80631578947368421052631578946 = 294.3052631578947368421052631529$$

The 294<sup>th</sup> day in a non-leap year is October 21. Please see Figure 51 in the Reference Material (Chapter 22) for a table of days in a year. In the results above, the new fraction represents the hour in a day.

Multiplying it by 24 would give the hour:

$$24 \times 0.3052631578947368421052631529 = 7.3263157894736842105263156696$$

It is the 7<sup>th</sup> hour in the day. The new fraction represents the minutes in an hour. Multiplying it by 60 would give the minutes:

$$60 \times 0.3263157894736842105263156696 = 19.578947368421052631578940176$$

It is the 19<sup>th</sup> minute. The final fraction represents the seconds in a minute. Multiplying it by 60 would give the seconds:

$$60 \times 0.578947368421052631578940176 = 34.73684210526315789473641056$$

It is the 34<sup>th</sup> second.

**Consequently, it was at 7:19:34 am on Tuesday, October 21 in 570 CE.**

## Chapter 11 – The star that rises and sets! – Verse 53:1

Anytime we see in the Holy Qur'an that a solemn oath is made to a natural phenomenon or important subjects (e.g., Judgement Day), the intent is to draw our attention to it. Verse 53:1 falls into the above category of statements. [Sura 53 \("The Star", اَلنَّجْمُ\)](#) starts with the following verse but it also contains the verses about the Night Journey and Sirius.

*"By the star that rises (and sets)" 53:1*

وَالنَّجْمِ إِذَا هَوَىٰ

In the above verse, the word Arabic word ( اَلنَّجْمِ ) generally means anything that is hidden and then it appears. For example, it is used to describe a seed that initially is hidden in the soil, peaks through the dirt, and appears. Obviously, the stars are also called ( اَلنَّجْمِ ) since they are hidden during the day but appear in the night sky. Additionally, the Arabic word ( هَوَى ) used in the above verse means both "to rise" and "to fall". There are many different interpretations of this verse but for our discussion, let us use the most obvious interpretation (related to the "star"). Verse 53:1 draws our attention to the creation of stars and specifically the star that rises and sets. Generally, you could imagine the stars "as rising" when the night comes and "as falling" when the day comes. Could Verse 53:1 be also related to Sirius?! Of course, Sirius also becomes visible during the night, and it is hidden during the day.

**However, there is also another special type of rising and falling related to Sirius!** Sirius is completely hidden during some months and becomes visible during other months in a year. [Heliacal Rising of Sirius](#) is referred to the timing of its yearly rising (or becoming visible in the dawn right before the sunrise). After the first visibility, it appears in dawn earlier and earlier until when it would be visible (rising) during the whole night. Next, after some months of being visible in the night sky, Sirius begins setting again (falling) and finally completely disappears (described in Chapter 4). The timing of yearly rising of Sirius is dependent on the location of the observer on the Earth. For Cairo, it is on July 19<sup>th</sup>, before the onset of Nile's annual flooding.

[In Chapter 9, using our calculated orbital period of Sirius, the possible dates for the Night Journey and prophet's birthday were 620.7536 CE and 570.8063 CE. Both occurred around the same time as the yearly Heliacal Rising of Sirius and its visibility in the sky; hence Verse 53:1.](#)

Considering the above, one of the meanings of Verse 53:1 (*“By the star that rises”*) could be pointing to the birth of Prophet Muhammad, pbuh, (the brightest star of humanity is born) and then 49 years later, he is raised to the heavens during the amazing Night Journey and is returned to Earth safely! All of the above coincide with the heliacal rising of Sirius (Verse 1).

Therefore, it would make sense for Verse 53:1 to be discussing the “rising” of the star (both Prophet Muhammad, pbuh, and Sirius). Considering the above, Verse 53:1 could also be related to the yearly rising and falling of Sirius and should be considered as part of the Night Journey’s group of verses!

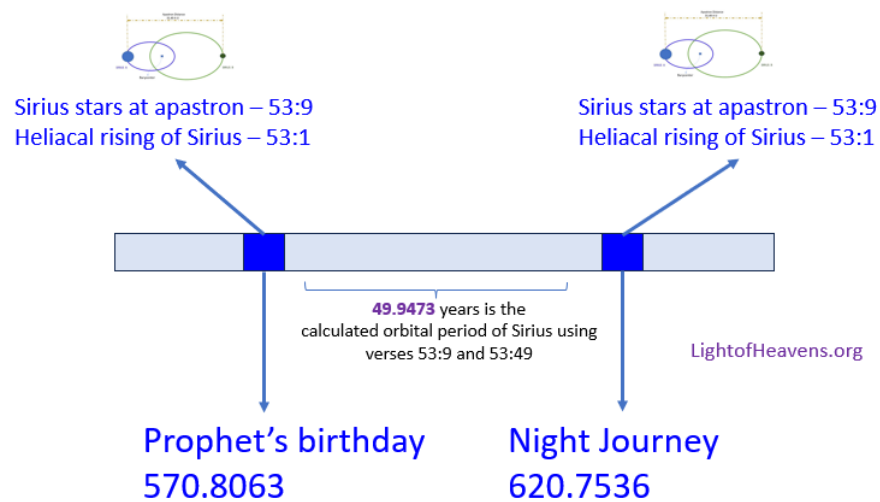


Figure 22 - Rising of a star

## Chapter 12 – Historical fiery red color of Sirius in 140 CE

As discussed in Chapter 4, Sirius is normally white to blue-white in color but Ptolemy described it as a **fiery red star in 140 CE**. An ancient (100 BC) Chinese text by Sima Qian also refers to the change of color of the star. There are many theories regarding this color change (Chapter 4). One of the plausible theories suggests the possibility of a third companion body or a comet with a long orbital period of thousands of years. The tidal interaction and the iron rich space dust during close encounter with Sirius A and B (once every couple of thousand years) in the inner part of its orbit could cause cosmic cloud expansion resulting in **temporary red color for centuries**. For the color to change from white to **fiery red**, a 3<sup>rd</sup> orbiting object (or a comet) must have been present in the inner part of the orbits of Sirius A and B. It means during the time when Sirius A and B were at Periastron (closest to each other). **The entire process would take a couple of centuries** leading to its reported peak fiery red around 140 CE and then gradually getting less red over hundreds of years.

As the 3<sup>rd</sup> object gets closer to the orbits of Sirius A and B, the color gradually turns red. Once the 3<sup>rd</sup> object enters the inner orbits of Sirius A and B (when they are at Periastron), it would be the peak of the color change (fiery red) due to the short distance. Finally, as the 3<sup>rd</sup> object exits the orbits, the color would gradually return to white. The entire process would take a couple of centuries. Since Ptolemy reported the color of Sirius as **fiery red** in 140 CE, it must have been during the peak of the color change. Therefore, one can conclude that his reported date was approximately in the middle of the “a couple of centuries window of time” for the red color change and close to when Sirius A and B were at Periastron.

We saw previously how verses 9 and 49 led to the orbital period of 49.9473 years for Sirius. Scientifically, the most recent time the Sirius stars were at **Periastron** (closest to each other) was in the year **1994.31 CE** (Chapter 5). If you go backwards in time subtracting (each time) our calculated period of 49.9473 years from 1994.31 to calculate the other times when the stars have been at Periastron then you arrive at the year **146.2573 CE** (see the end of this section for all the calculations) which is perfectly within the window of time in Ptolemy’s report (in **140 CE**). This is amazing! It gives more credibility to our calculated period of 49.9473 and the fact that verses 9 and 49 are related.

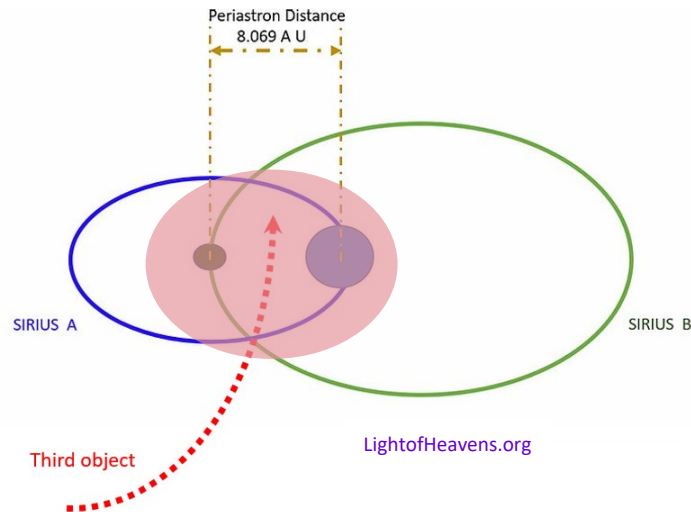


Figure 23 - Orbit of the 3rd astronomical object

The orbital period (49.9473 years) of Sirius was derived from verses 53:9 and 53:49. Using the orbital period, the dates of Night Journey (620.7536 CE) and prophet's birthday (570.8063 CE) were calculated. During the Night Journey and the prophet's birthday, Sirius stars were in Apastron position (farthest away) and it coincided with heliacal rising of Sirius (53:1). Next, using the orbital period, we calculated that in 146.2573 CE, Sirius stars were in Periastron position (closest) matching the historical timeline for the fiery red color of Sirius.

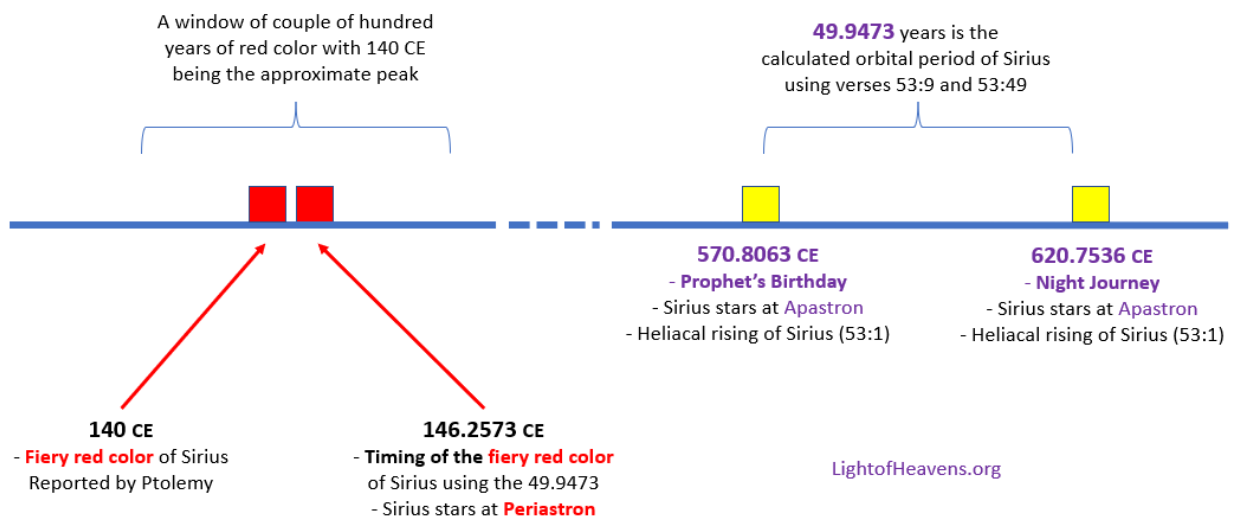


Figure 24 - Timeline for the fiery red color of Sirius



Each time subtracting the Orbital period of 49.947368421052631578947368421053	
<b>1994.31</b>	<b>Most recent periastron</b>
1,944.3626315789473684210526315789	Previous periastron
1,894.4152631578947368421052631579	Previous periastron
1,844.4678947368421052631578947368	Previous periastron
1,794.5205263157894736842105263158	Previous periastron
1,744.5731578947368421052631578947	Previous periastron
1,694.6257894736842105263157894737	Previous periastron
1,644.6784210526315789473684210526	Previous periastron
1,594.7310526315789473684210526316	Previous periastron
1,544.7836842105263157894736842105	Previous periastron
1,494.8363157894736842105263157895	Previous periastron
1,444.8889473684210526315789473684	Previous periastron
1,394.9415789473684210526315789474	Previous periastron
1,344.9942105263157894736842105263	Previous periastron
1,295.0468421052631578947368421053	Previous periastron
1,245.0994736842105263157894736842	Previous periastron
1,195.1521052631578947368421052632	Previous periastron
1,145.2047368421052631578947368421	Previous periastron
1,095.257368421052631578947368421	Previous periastron
1,045.31	Previous periastron
995.36263157894736842105263157894	Previous periastron
945.41526315789473684210526315789	Previous periastron
895.46789473684210526315789473683	Previous periastron
845.52052631578947368421052631578	Previous periastron
795.57315789473684210526315789473	Previous periastron
745.62578947368421052631578947368	Previous periastron
695.67842105263157894736842105262	Previous periastron
645.73105263157894736842105263157	Previous periastron
595.78368421052631578947368421052	Previous periastron
545.83631578947368421052631578946	Previous periastron
495.88894736842105263157894736841	Previous periastron
445.94157894736842105263157894736	Previous periastron
395.9942105263157894736842105263	Previous periastron
346.04684210526315789473684210525	Previous periastron
296.0994736842105263157894736842	Previous periastron
246.15210526315789473684210526315	Previous periastron
196.20473684210526315789473684209	Previous periastron
<b>146.25736842105263157894736842104</b>	<b>Fiery red color</b>

Figure 25 - Periastron times

## Chapter 13 – Connection of Sidereal Time with verses 9 and 49

The Holy Qur'an may also be hinting at the "Sidereal Time" for time calculation using Sirius. In Chapter 4, we discussed how some ancient civilizations used to worship Sirius and some such as the Egyptians were using the precise movement of Sirius in the sky as the basis for their yearly calendars (resulting in a 365.25-day year). Verse 53:49 of the Holy Qur'an indicates that Sirius should not be worshipped since it is created by God. Additionally, verses 9 and 49 provide clues regarding the period of Sirius and Sidereal time which can be used to pinpoint the location of stars in the sky and to calculate their associated astronomical parameters. By international agreement, our "Solar Day" is the time from Noon to Noon and is exactly 24 hours long. However, the actual rotation period of the Earth is 23 hours, 56 minutes, and 4 seconds (called a Sidereal Day). Sidereal means with respect to the stars (rather than the Sun). After the Earth completes one rotation, the Earth must turn for an extra 4 minutes to bring the Sun back to the same exact point in the sky. Consequently, Solar Day is longer than the true rotation period of the Earth (Sidereal Day) by about 4 minutes. In 24 hours of solar time, the Earth rotates 360.986 degrees as opposed to 360 degrees for a Sidereal Day. Therefore, there is one fewer Solar day per year than there are Sidereal days. The total number of seconds in a Sidereal day (approximately 23 hours 56 minutes and 4 seconds) is **86164.09966s**. Based on existing scientific data, we have the following:

Number of seconds in a 24-hr Solar day =  $(24 \times 60 \times 60) = 86,400$  seconds

A solar year is 365.24219878 days so the total number of seconds in one Solar year is

$365.24219878 \times 86400s = 31,556,925.97$  seconds

Therefore, dividing the above "**total number of seconds in a Solar year**" by the "**seconds in a Sidereal day**" gives us the equivalent total number of **Sidereal days** in a Solar year:

$$31,556,925.97s \div 86164.09966s = \mathbf{366.24216} \text{ (approximately } \mathbf{367})$$

Note that the scientific Sidereal time measurements can also be done **by using Sirius** as the reference star **instead of the Sun!** As we know, Sura **53**, verses **9** and **49** discuss Sirius. The number that is formed by placing **53**, **9**, and **49** next to each other is

$$\mathbf{53949} = \mathbf{3} \times \mathbf{49} \times \mathbf{367}$$

As a reminder, number **49** represents the period of Sirius, and it is also Verse **49**. Number **367** represents the number of Sidereal days!

## Chapter 14 – Scientific discovery of Sirius B and Verse 49

With the knowledge and permission granted by Allah (SWT), American telescope-maker and astronomer Alvan Graham Clark discovered Sirius B in **1862**. On January 31, 1862, while testing a new 470 mm aperture refractor telescope, he made the first ever observation of a white dwarf star (Sirius B). The year 1862 is amazingly divisible by 49, 19, and 2.

You can see:

$$1862 = 2 \times 19 \times 49$$

- Code number “19” is involved.
- Number “49” represents Verse 49 of Sura 53 describing Sirius and its orbital period.
- Number “2” is possibly pointing to the second star (Sirius B); meaning 2 stars

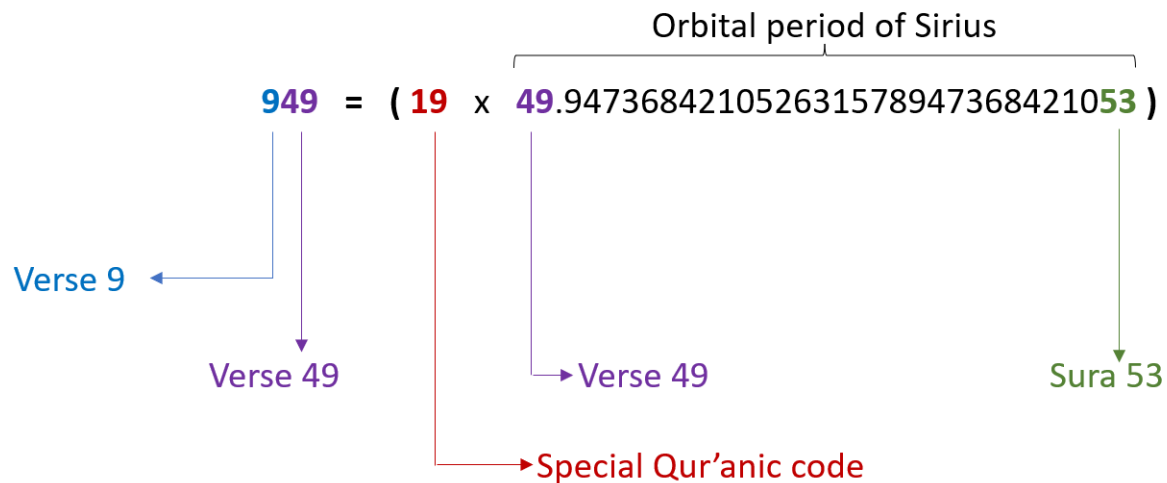
Additionally, the sum of its divisors is

$$3420 = 4 \times 5 \times 9 \times 19$$

***“That He is the Lord of Sirius” 53:49***

## Chapter 15 – Mathematical properties of the orbital period

In Chapter 8, the orbital period of Sirius was calculated using verses 9 and 49 of Sura 53.



Let's review our 2<sup>nd</sup> discovery related to the orbital period (previously presented in Section 8.3). There is a total of **17 verses** related to the Night Journey in suras 17 and 53.

Ignoring the decimal point of the above orbital period 49.947368421052631578947368421053, and factorizing the full 32-digit number, we have:

$$49947368421052631578947368421053 = 17 \times 92639 \times 720793 \times 9277843 \times 4742553647369$$

Incredibly, the above 32-digit number is divisible by the above five prime numbers including the Fermat prime number **17** which is:

- Sura number 17 where the Night Journey is introduced!
- Total number of verses related to the Night Journey.
- One of the main prime codes used in the encryption of the Holy Qur'an.

## Section 15.1 – Sum of the divisors of the orbital period

The first three discoveries related to the orbital period were discussed in Chapter 8. The mathematical term “**Sum of the divisors**” for an integer number is used in the “**Number Theory**” and in applications such as **Cryptography and mathematical Cyclotomy**. Knowing that the Holy Qur’an contains multi-layer encryption mechanism, it is worth looking at the “sum of the divisors” for the numbers that we discover. Free online calculators<sup>15</sup> can be used to factorize and obtain the “Sum of the Divisors”.

### ---Step 1

**49947368421052631578947368421053** = **17** × 92639 × 720793 × 9277843 × 4742553647369

Its sum of the divisors is the 32-digit number 52886098865396266369547740646400

Incredibly, the above 32-digit “sum of divisors”, itself, factorizes to:

$$9^2 \times 49 \times 53 \times 11 \times 2^{10} \times 5^2 \times 103 \times 193 \times 4399 \times 2319461 \times 5533837$$

**Sura #53 (prime number), Verse #9, and Verse #49 are some of the divisors!** As we described earlier, verses 9 and 49 are also attributed to Sirius in addition to being related to the Night Journey. To help the reader better visualize the codes, we listed  $3^4$  as  $9^2$  and  $7^2$  as 49. The sum of divisors of 2886098865396266369547740646400 (obtained above) is the new number

257058272723648457675501119232000 and we will use it in the next step.

### ---Step 2

Numbers, as we know them today, did not exist when the Holy Qur’an was revealed more than 1400 years ago. Instead, a standard Gematrical system had been implemented for different languages such as Arabic, Greek, etc. In this system, each letter of the alphabet is assigned a unique value. The system is called “Abjad numerals” for Arabic. For example, the Arabic letter “A” has a value of 1 and letter “D” has a value of 4. Below, please see the standard table of Arabic Gematrical values.

---

<sup>15</sup> <https://www.alpertron.com.ar/ECM.HTM>

5	هـ	4	د	3	ج	2	ب	1	ا
10	ي	9	ط	8	ز	7	ن	6	و
60	س	50	ن	40	م	30	ل	20	ك
200	ر	100	ق	90	ص	80	ف	70	ع
700	ذ	600	خ	500	ث	400	ا	300	ش
			1000	غ	900	ظ	800	ض	

Figure 26 - Arabic Gematrical values

Remember that verses 53:9 and 53:49 are in the group of Night Journey verses. Verse 9 talks about the two orbits.

فَكَانَ قَابَ قَوْسَيْنِ أَوْ أَدْنَىٰ

*"And was at a distance of two bows' length or (even) nearer" 53:9*

The sum of Gematrical values of all the Arabic letters in the entire Verse 53:9 is

$$(80+20+1+50+100+1+2+100+6+60+10+50+1+6+1+4+50+10) = \mathbf{552}$$

Additionally in Verse 53:49, the Gematrical value of the Arabic word ( شِعْرَى ) for Sirius is

$$(300+70+200+10) = \mathbf{580}$$

Going one more level deeper, we factorize the sum of the divisors found in the last part of Step 1

257058272723648457675501119232000 which is

$$\mathbf{9^3 \times 19 \times 62 \times 552 \times 580} \times 2^5 \times 3 \times 5^2 \times \mathbf{7} \times 11^2 \times 13 \times 73 \times 89 \times 97 \times 1307 \times 42953$$

This time, Verse 9, total number of verses (62) in Sura 53, the Gematrical value (552) of Verse 9, the Gematrical value of Arabic word for Sirius (580), and code number 19 are some of the divisors! Please note that (62 = 2 x 31), (552 = 2<sup>3</sup> x 3 x 23), and (580 = 2<sup>2</sup> x 5 x 29). The sum of the divisors for the above number is 1582382721034706481325576028160000.

### ---Step 3

Again, factorization of the new sum of the divisors found in the last part of Step 2 shows that 9, 19, and 49 are involved.



1582382721034706481325576028160000 which is

$$9^4 \times 19 \times 49^2 \times 2^{23} \times 3 \times 5^4 \times 7 \times 13^3 \times 37 \times 109 \times 757 \times 7159$$

The sum of the divisors for the above number is 8191149665435572769947760947200000.

#### ---Step 4

Factorization of the sum of the divisors found in Step 3

8191149665435572769947760947200000 which is

$$9 \times 17^2 \times 19^2 \times 49 \times 2^{15} \times 3 \times 5^5 \times 11^4 \times 13 \times 43 \times 61 \times 71 \times 179 \times 241 \times 379$$

Finally, we see that numbers **9, 17, 19, and 49** are involved. That is Verse number **9**, total Night Journey verses "**17**", number **19** code, and Verse **49**. The sum of the divisors for the above number is 50042711784997993646277168537600000.

### Section 15.2 – Sura 17 up to and including Sura 53

Factorization of the sum of the divisors found in Step 4 above:

50042711784997993646277168537600000 which is

$$9^4 \times 17 \times 19^2 \times 49 \times 62^2 \times 4112 \times 2^{10} \times 3 \times 5^5 \times 11^3 \times 127 \times 307 \times 3221$$

Again, numbers **9, 17, 19, 49, and 62** are revealed! However, there is also "**4112**". What does that represent? The Night Journey begins in Sura 17 and ends in Sura 53. Amazingly, the sum of suras/verses (Sura 17 with 111 verses, Sura 18 with 110 verses all the way to Sura 53 with 62 verses) is 4112. This is mind bugling!

$$\begin{aligned} & (17 + 111) + (18 + 110) + (19 + 98) + (20 + 135) + (21 + 112) + (22 + 78) + (23 + 118) + (24 + 64) + \\ & (25 + 77) + (26 + 227) + (27 + 93) + (28 + 88) + (29 + 69) + (30 + 60) + (31 + 34) + (32 + 30) + \\ & (33 + 73) + (34 + 54) + (35 + 45) + (36 + 83) + (37 + 182) + (38 + 88) + (39 + 75) + (40 + 85) + \\ & (41 + 54) + (42 + 53) + (43 + 89) + (44 + 59) + (45 + 37) + (46 + 35) + (47 + 38) + (48 + 29) + \\ & (49 + 18) + (50 + 45) + (51 + 60) + (52 + 49) + (53 + 62) = 4112 \quad \text{which is } (4112 = 2^4 \times 257) \end{aligned}$$

Please note that 257 is another rare Fermat prime.

### Section 15.3 – Amazing fractional portion of the orbital period

We saw how  $949 = 19 \times 49.947368421052631578947368421053$ . If you only focus on the 30-digit fraction portion of the above calculated orbital period, **947368421052631578947368421053**, and calculate its divisors:

#### ---Step 1

$$947368421052631578947368421053 = 113 \times 151 \times 7393 \times 10039 \times 45083 \times 152003 \times 109165997$$

On the surface, it is nothing special. However, its 30-digit sum of the divisors is  
962335363805384512271774883840

#### ---Step 2

962335363805384512271774883840 which is

$$\mathbf{9^2 \times 17^2 \times 19^2 \times 53} \times 2^{13} \times 5 \times 13 \times 239 \times 251 \times 3697 \times 18194333$$

Again, Verse **9** is involved. The total number of Night Journey verses (**17**) is also one of the divisors. Additionally, suras **17** and **53** and code **19** are also listed! Notice that 17, 19, and 53 are all prime numbers. The sum of the divisors for the above number is 4279864809004265447887220213760.

#### ---Step 3

As we saw previously, the Arabic Gematrical value of the entire Verse 53:9 is

$$(80+20+1+50+100+1+2+100+6+60+10+50+1+6+1+4+50+10) = \mathbf{552}$$

Next, the new sum of the divisors for the number in Step 2 is

4279864809004265447887220213760 which is

$$\mathbf{9^4 \times 49 \times 62 \times 552} \times 2^7 \times 3 \times 5 \times 11^2 \times 43^3 \times 127^2 \times 307 \times 4253$$

Sura 53, verses **9** and **49** are involved in addition to Sura 53's total number of verses (**62**). The Gematrical value (**552**) of Verse 9 is shown, too. Please note that  $(552 = 2^3 \times 3 \times 23)$ .

## Section 15.4 – Sixth discovery about the orbital period of Sirius

Again, let us examine our calculated orbital period and focus on its 30-digit fraction (947368421052631578947368421053).

Writing it in reverse order, we get 350124863749875136250124863749

### ---Step 1

350124863749875136250124863749 which is equal to  $557 \times 628590419658662722172576057$

### ---Step 2

However, its sum of the divisors is 350753454169533798972297440364 which is

$$9 \times 62 \times 2 \times 3 \times 2143 \times 48887106832996011990401$$

Verse number 9 and number 62 (which is the total verses of Sura 53)!

## Section 15.5 – Seventh discovery about the orbital period of Sirius

Subtracting the calculated orbital period from 50 would provide us with the amount of time that is short of 50 years.

$$50 - 49.947368421052631578947368421053 = 0.052631578947368421052631578947$$

Let's ignore the decimal point and factorize the result:

$$52631578947368421052631578947 = 3 \times 19 \times 923361034164358264081255771$$

Code 19 shows up again!

## Section 15.6 – Results of the discussion about the orbital period of Sirius

In this chapter, we showed how our calculated orbital period is encoded multi-layers deep with numbers **7, 9, 17, 19, 49, 53, 62, 552, 580, and 4112**.

**7** -> One of the encryption codes in the Holy Qur'an

**9** -> Represents Verse number 9 in Sura 53 – Describing the orbits of Sirius A and B

**17** -> Represents the total number of verses related to the Night Journey in suras 53 and 17 – Also representing Sura number 17 where the Night Journey is introduced – Finally, a **Fermat Prime number** code used in the encryption of the Holy Qur'an

**19** -> One of the encryption codes in the Holy Qur'an – a **Prime number**

**49** -> Represents Verse number 49 in Sura 53 describing the Sirius stars – Also the period of Sirius

**53** -> Represents Sura number 53 containing most Night Journey's verses. Also, one of the encryption codes in the Holy Qur'an – a **Prime number**

**62** -> Represents the total verses in Sura 53

**552** -> Gematrical value of the entire Verse 53:9

**580** -> Gematrical value of the Arabic word "شِعْرَى" meaning "Sirius" in Verse 49

**4112** -> Represents the sum of suras/verses numbers from Sura 17 to Sura 53

## A Challenge!

Obviously, it is common to get numbers such as 3, 7, and others when factorizing. However, it is not common to get all the above numbers that are related to the subject of this book repeatedly! In Section 8.2, we began with number 949 (**verses 9 and 49**). We challenge you. Please go ahead and randomly change some of the digits (e.g., 948, 947, 950...) and then divide by 19. Try it for yourself to see whether similar results are produced as divisors. **It only works for number 949 which is formed by verses 9 and 49!** Could anyone still claim that it is all by chance?! The latter chapters provide more proof that the calculated orbital period is tied to the Night Journey.

## Section 15.7 – Graph of the orbital period

The graph of the orbital period is shown here. Looking at **49.947368421052631578947368421053** , the horizontal axis represents the digit position numbers 1-32 and the vertical axis represents their associated values. For example, digit 1 has the value of 4, digit 2 has the value of 9 and so on. Does this represent a wave form related to Sirius?

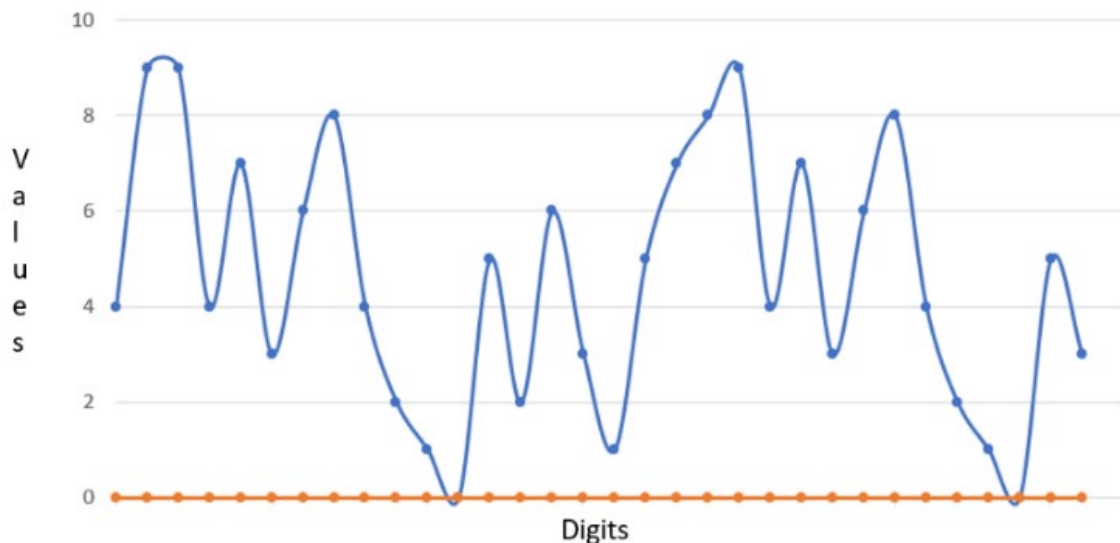


Figure 27 - Orbital Period's graph

There is one more interesting pattern if we draw a Radar chart. Using the digits of the orbital period (49.947368421052631578947368421053), the chart can be easily drawn in PowerPoint. I just can't stop thinking that the chart resembles a tree or leaves of a tree looking from above; perhaps the Lote tree ( **سِدْرَة** ) mentioned in verses 53:14 and 53:16 of the Night Journey.

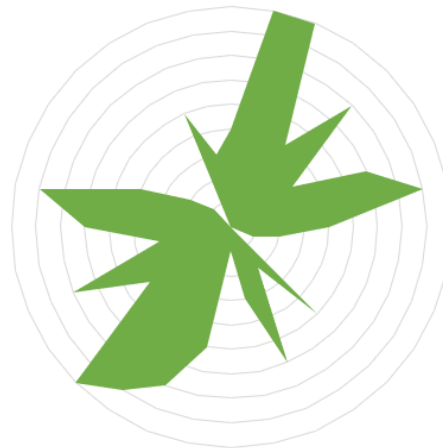


Figure 28 - Lote Tree

***"Thus, Allah makes clear His Signs to you: In order that you may understand" 2:242***

## Chapter 16 – Uniqueness of Sura 53, Verse 49

As discussed in the previous chapters, Verse 53:49 introduces Sirius and plays an important role in describing the orbital position of the Sirius stars and the timing of the Night Journey. Additionally, we know that the orbital period of Sirius is almost 49.9 years. This book illustrates many mathematical attributes of number 49. The Holy Qur'an consists of 114 suras (i.e., chapters). Each sura consists of a certain number of verses (3 to 286) designed by Allah (SWT). In Figure 31 below, suras that have **at least 49 verses or more** are listed (starting with Sura 2 which has 286 verses to Sura 77 which has 50 verses). **There are amazingly total of 49 Suras meeting the above criteria!** This relationship doesn't apply to any other verse number in the entire Holy Qur'an. For example, if you list all the suras with at least 50 verses, or at least 6 verses, and so on. **It is only for number "49" that the total number of suras containing at least those many verses is the same number "49"!** It doesn't work for any other number.

### The total number of suras containing at least 49 verses is 49

Adding the **sura numbers with at least 49 verses** (2, 3, 4....74, 77), we get **1487**. Adding the **number of verses in each of the above suras** (286, 200, 176, ..., 56, 50), we get **4924**. Of course, we know that there are **49 suras meeting the above criteria**. Sum of the above numbers ( $1487 + 4924 + 49 = 6460$ ) is

$$(19 \times 17 \times 5 \times 4)$$

		TOTAL
Sura numbers containing at least 49 verses or more	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 33, 34, 36, 37, 38, 39, 40, 41, 42, 43, 44, 51, 52, 53, 54, 55, 56, 68, 69, 74, and 77  $(2 + 3 + 4 + \dots + 74 + 77) = 1487$	1487
Number of verses in each of the above suras respectively	286, 200, 176, 120, 165, 206, 75, 129, 109, 123, 111, 52, 99, 128, 111, 110, 98, 135, 112, 78, 118, 64, 77, 227, 93, 88, 69, 60, 73, 54, 83, 182, 88, 75, 85, 54, 53, 89, 59, 60, 49, 62, 55, 78, 96, 52, 52, 56, and 50  $(286 + 200 + 176 + \dots + 56 + 50) = 4924$	4924
Total number of suras	49	49
<b>TOTAL</b>	$(1487 + 4924 + 49 = 6460)$	<b>6460</b>

Figure 29 - Suras with at least 49 verses

**Encryption codes 17 and 19 are there again!  $6460 = 19 \times 17 \times 5 \times 2^2$**

As a side note, you can see above that we have included Sura 9 with 129 verses.

**hence invalidating one of the false number 19 theories about this Sura!**

## Section 16.1 – Suras 17 and 53 are interweaved

We have demonstrated that the verses related to the Night Journey and Sirius, spanning suras 17 and 53, are intertwined.

Sura 17 (Verse **1**) and Sura 53 (Verses **1, 2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 49**)

The number that is produced by writing the above verse numbers next to each other is below. Please note that both suras 17 and 53 contain Verse 1 so number 1 is listed twice.

---Step 1

**112678910111213141516171849** which is divisible by  $97 \times 311 \times 10118063 \times 369158723093969$

We will factorize its sum of divisors 114206606426471680511470080 in step 2 below.

---Step 2

114206606426471680511470080 which is  
 **$9^2 \times 19 \times 49$**   $\times 2^9 \times 5 \times 11 \times 13 \times 19163 \times 40559 \times 5322673$

Verse numbers **9, 49**, and code **19** are listed! Calculating it one more level, the sum of the divisors of the above number is

---Step 3

588491729219508296736153600 which is equal to  
 **$9^3 \times 19 \times 49^2 \times 62$**   $\times 2^{12} \times 5^2 \times 11^3 \times 13^2 \times 1597 \times 7759$

Again, numbers **9, 49, 19** are involved but this time we also have **62** which is the total number of verses in Sura 53.



## Section 16.2 – What suras point to Verse 49?

As we know, suras 17 and 53 have total of 111 and 62 verses respectively. Adding the following:

(2 suras are involved) + (Sura 53 with 62 verses) + (Sura 17 with 111 verses)

$$2 + 53 + 62 + 17 + 111 = \mathbf{245} \text{ which is } (5 \times \mathbf{49})$$

and its sum of divisors is **342** which is  $(2 \times \mathbf{9} \times \mathbf{19})$

## Section 16.3 – Verses 9 and 49 of Sura 53

As we know, Verse **53:9** talks about the orbits of Sirius A and B and is related to the Night Journey.

The number **539** is constructed by putting the sura number 53 next to verse number 9

$$\mathbf{539} = 11 \times \mathbf{49}$$

The number representing Sura 53 (“The Star”) and Verse 9 (“Two bows”) points to Verse 49 (“Sirius”)!

## Section 16.4 – Position of Verse 49 in the entire Holy Qur’an

The sum of all the verses contained in suras 1 through 52 is 1532. Adding to that the first 49 verses of Sura 53 to reach Verse 49 (Sirius), we get  $1532 + 49 = 1581$ . Therefore, Verse 49 of Sura 53 is the 1532<sup>nd</sup> verse counting from the beginning of the Holy Qur’an. Factorizing this number:

$$1581 = 3 \times \mathbf{17} \times 31$$

Fermat Prime number 17 is one of the divisors. It represents chapter 17 where the Night Journey is introduced. It also represents the total number of verses associated with Night Journey. Additionally, it is also one of the prime encryption codes in the Holy Qur’an.

## Section 16.5 – Gematrical value of Verse 53:1

Sura 53 ( The Star – النُّجْم ) begins with Verse 1 stating that God swears by the star that rises and sets. In chapter 11 of this book, we talked about Verse 1 in detail. The Gematrical table is in Chapter 22.

وَالنَّجْمِ إِذَا هَوَىٰ

*“By the star that rises (and sets)” 53:1*

The Gematrical value of the above verse is the prime number 853.

Verse 1             $(6+1+30+50+3+40+1+700+1+5+6+10) = \mathbf{853}$  prime number

Looking up the prime number 853 in the table of prime numbers, it is the 147th prime. Let’s factorize 147. You can see that 49 is one of the divisors!

$$147 = 3 \times \mathbf{49}$$

The sum of the divisors of 147 is 228.

$$228 = 2^2 \times 3 \times \mathbf{19}$$

Please also see section 19.1 in this book for another discussion of number 853.

## Chapter 17 – Significance of “17” Night Journey verses!

The prime numbers that are one more than a power of 2 are called **Fermat primes**, and only five are known: 3, 5, 17, 257, and 65537. Mathematicians, Fermat and Gauss, knew of these numbers. Nobody has been able to prove whether there are any more. The application of such numbers and divisors is in Cyclotomy and Cryptography. Interestingly, number 17 is one of the Fermat numbers!

$$17 = (2^4 + 1) = (16 + 1)$$

As seen above, “17” consists of “2<sup>4</sup>” (16) plus 1. Regarding the Night Journey, 16 verses are in Sura 53 and 1 verse is placed in Sura 17 to bring the total to 17. **It is interesting that the total number of Night Journey verses and their distribution in two suras follow the formula for the Fermat number 17.**

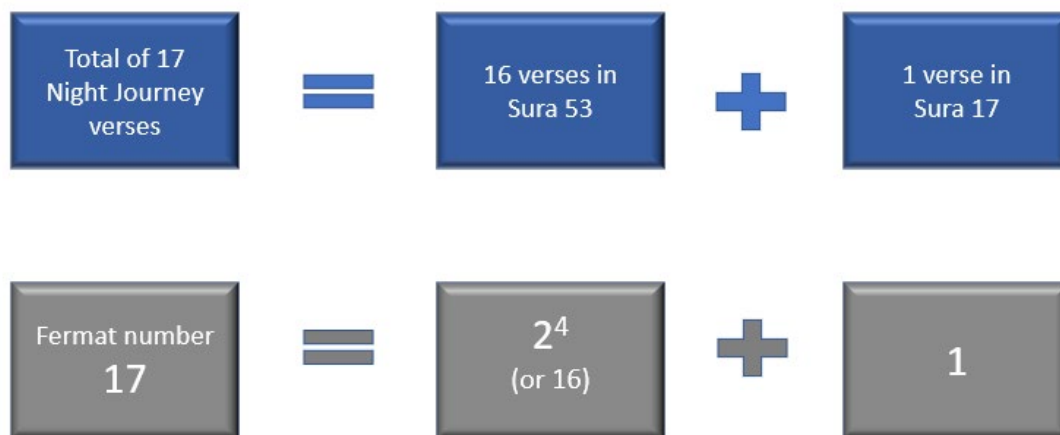


Figure 30 - Fermat number 17

This chapter provides a comprehensive set of arguments demonstrating the compelling reasons for considering verses 53:1 and 53:49 in the group of the Night Journey verses. In the table below, let us examine other mathematical properties connecting all the Night Journey’s verses.

<b>Total number of suras related to the Night Journey</b> (Suras 17 and 53)	<b>2</b>
<b>Sum of the related verses related to the Night Journey</b>  <b>Sura 17</b> (Verse 1) and <b>Sura 53</b> (Verses <b>1</b> , 2, 6, 7, 8, <b>9</b> , 10, 11, 12, 13, 14, 15, 16, 17, 18, <b>49</b> )  (i.e., 1 + 1 + 2 + 6 + 7 + 8 + 9 + ..... + 18 + 49)	<b>209</b>
<b>Total number of the above listed verses in 2 suras</b>	<b>17</b>
<b>Total</b>  <a href="http://LightofHeavens.org">LightofHeavens.org</a>	<b>228</b>  $228 = 19 \times 4 \times 3$

Figure 31 - Night Journey's Verses

As you can see the total sum of  $(2 + 209 + 17 = 228)$  is divisible by **19**. There is also another very interesting relationship! Notice in the table above that we included verses 53:1 and 53:49 as part of Night Journey's group of verses and based on the final result, **it provides further proof that verses 53:1 and 53:49 are related to the Night Journey**. As we know, Sura 17 of the Holy Qur'an introduces the Night Journey. We also know that Sura 53 gives more details about the Night Journey. **The total number of the Night Journey verses from both suras is 17, matching the Sura number 17.**

**In other words, the story of Night Journey starts in Sura 17 of the Holy Qur'an and it is explained by a total of 17 verses across two suras!**

Looking at number 228 calculated above: **amazingly, the 228<sup>th</sup> prime<sup>16</sup> is 1439 which is an Additive prime. An Additive prime is a prime number that the sum of its digits is also a prime. For 1439, we have  $(1+4+3+9) = 17$  which is also a prime. Encryption code 17 shows up again!**

<sup>16</sup> [https://en.wikipedia.org/wiki/List\\_of\\_prime\\_numbers](https://en.wikipedia.org/wiki/List_of_prime_numbers)

## Section 17.1 – Placement of Sura 17 as the 7<sup>th</sup> prime and Sirius

Suras, verses, words, and letters of the Holy Qur'an is also designed based on Prime numbers. As the Holy Qur'an, itself, describes it as a Protected Book. We're not going to delve into the subject of Primalogy<sup>17</sup> in the Holy Qur'an as it is available online. The table below describes how prime numbers are assigned to each letter of the Arabic alphabet.

Prime Codes in the Holy Qur'an						1	ء
79	ك	47	ض	19	د	2	ا
83	ل	53	ط	23	ذ	3	ب
89	م	59	ظ	29	ر	5	ت
97	ن	61	ع	31	ز	7	ث
101	ه	67	غ	37	س	11	ج
103	و	71	ف	41	ش	13	ح
107	ي	73	ق	43	ص	17	خ

Figure 32 - Primalogy codes

The Night Journey is introduced in Sura 17. Number 17 is the 7<sup>th</sup> prime. The Arabic word for "Sirius" is ( شِيعْرَى ) and it is mentioned in 53:49. Using the above table, the Primalogy value of the above word is  $(41+61+29+107) = 238$  which factorizes to:

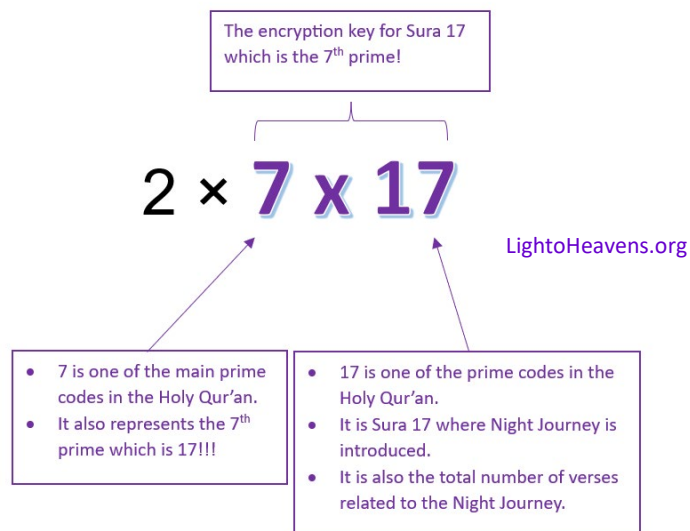


Figure 33 - Primalogy code for Sirius

<sup>17</sup> www.heliwave.com

## Section 17.2 – Coding of Sura 17, Verse 1

The story of Night Journey is introduced in Sura 17, Verse 1. There is an interesting relationship between Sura 17 and its verse number 1. Putting together the sura number 17 and verse number 1, the palindrome number 171 is formed which is divisible by **9** and **19**. where  $171 = 9 \times 19$

## Section 17.3 – Sura 17, Verse 1 points to Sura 53

سُبْحَانَ الَّذِي أَسْرَىٰ بِعَبْدِهِ ۚ لَيْلًا مِّنَ الْمَسْجِدِ الْحَرَامِ إِلَى الْمَسْجِدِ الْأَقْصَا  
الَّذِي بَارَكْنَا حَوْلَهُ لِنُرِيَهُ مِنْ ءَايَاتِنَا إِنَّهُ هُوَ السَّمِيعُ الْبَصِيرُ

*“Exalted is He who took His **true worshipper** (prophet) by **night** from the House of Worship (“al-Masjid al-Haram” in Mecca) to the Remote House of Worship (“al-Masjid al-Aqsa” in Jerusalem), whose surroundings I have blessed, to show him of Our signs. Indeed, He is the Hearing, the Seeing.” 17:1*

The sum of Gematrical values of Verse 17:1 (above) is 4717.

(60+2+8+50+1+30+700+10+1+60+200+10+2+70+2+4+5+30+10+30+1+40+50+1+30+40+60+3+4+1+30+8+200  
+1+40+1+30+10+1+30+40+60+3+4+1+30+1+100+90+1+1+30+700+10+2+200+20+50+1+8+6+30+5+30+50+200  
+10+5+40+50+1+10+400+50+1+1+50+5+5+6+1+30+60+40+10+70+1+30+2+90+10+200) = **4717**

However, 4717 factorizes to  $4717 = 53 \times 89$  It is as if Verse 17:1 which introduces the Night Journey is pointing to Sura 53 where the rest of Night Journey is described!

## Section 17.4 – Encoding of Night Journey with the prime number 17

There is a total of 17 Night Journey verses. If we write all the suras/verses combinations that are related to the Night Journey, we will end up with 17 numbers. For example, for Verse 17:1, we would write 171; for 53:1, we would write 531, and so on to 5349 representing 53:49. Adding all those numbers, we get 56559 that is divisible by **17 which is the total number of Night Journey verses**. Of course, verses 1, 9 and 49 are involved in the calculations again. It provides another proof that verses 53:1 and 53:49 are related to the Night Journey.

Sum of the sura/verse numbers related to the Night Journey	Total
531, 532, 536, 537, 538, <b>539</b> , 5310, 5311, 5312, 5313, 5314, 5315, 5316, 5317, 5318, <b>5349, 171</b> (i.e., $531 + 532 + \dots + 5349 + 171$ )	<b>56559</b> where $56559 = 17 \times 3 \times 1109$

Figure 34 - Night Journey's Suras/Verses coding

## Section 17.5 – Night Journey's suras and verses are coded with 17

Another interesting mathematical relationship between the Night Journey verses and number 17 is exhibited below. The **61-digit number** that is formed by writing the numbers from the above table (i.e., 531, 532, ...171) together is

---Step 1

5315325365375385395310531153125313531453155316531753185349171 which is equal to:

$$3 \times 17 \times 317 \times 202949 \times 39910988208299435057 \times 40590183882421253950274273161441$$

As you can see, it is divisible by 6 prime numbers and one of them is 17. (17 is the total number of Night Journey verses and Sura 17 where the Night Journey is introduced!)



### ---Step 2

Additionally, the sum of the divisors for the above factorization is the 61-digit number  
7527697731313624953879922539388639629104491301009793374275200 and when factorized

$$9^3 \times 41 \times 53 \times 62 \times 2^6 \times 5^2 \times 11 \times 13 \times 236778317 \times 2161005883 \times$$

$$654680385200342805649585050991$$

Sura **53** contains **62** verses. How is it possible that both numbers are part of the divisors?! Verse **9** is there, too. Number **41**, the total number of verses between verse numbers 9 and 49 (including those two themselves), is also listed.

### ---Step 3

Finally, the sum of divisors of the above 61-digit number is

35289991705443982052254297384394597134179568098963760567418880 (62 digits) which is

$$9^4 \times 17 \times 49 \times 62 \times 2^{16} \times 5 \times 7 \times 37 \times 521 \times 1093 \times 1213 \times 50789 \times 1036951 \times 4176779653 \times 8076198435371783$$

Verse numbers **9** and **49** are involved. Number 17 representing Sura 17 (and total Night Journey verses) is involved, too. The number of verses of Sura 53 which is **62** is also there! Interestingly, the same numbers (**9, 49, 17, 62**) were also discovered in Section 15.2.

## Section 17.6 – Further connection of the Night Journey's verses with 17

As we know, there is a total of 17 verses in 2 suras covering the Night Journey. The verses are:

**Sura 17:** (Verse 1) and **Sura 53:** (Verses 1, 2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 49)

Now, let's add the **digits** that are involved in the above verse numbers from 2 suras. For example, for Verse 49 we would be adding (4+9) and for Verse 18 we would be adding (1+8) and so on.

$$(1+1+2+6+7+8+9+1+0+1+1+1+2+1+3+1+4+1+5+1+6+1+7+1+8+4+9) = 92$$

There are total of 17 verses so let's also add the digits involved in this number. (1+7) = 8

Total number of involved suras is **2**. The sum of the above three numbers (92 + 8 + 2) is **102**

$$(92 + 8 + 2) = 102 \text{ which is } 102 = 2 \times 3 \times 17$$

## Section 17.7 – More properties of Night Journey’s verses and 17

The “Night Journey” is introduced in 17:1. The Holy Qur’an emphasizes the fact that the journey occurred during the night by using the word “أَسْرَى” and “لَيْلًا”. The Gematrical value of the Arabic word “أَسْرَى” is  $(1+60+200+10) = 271$ . Therefore, we can say that 271 stands for the “Night Journey”. On the other hand, in Verse 53:49, the Arabic phrase for “Creator of Sirius - رَبُّ الشَّعْرَى” (see Reference material in Chapter 22) has the following Gematrical value:

$$(200+2+1+30+300+70+200+10) = 813 \quad \text{which is } (3 \times 271)$$

Please note that in both cases, the prime “271” is a divisor! Therefore, the phrases “رَبُّ الشَّعْرَى” and “أَسْرَى” share the common divisor of 271 pointing to a relationship between the Night Journey and Sirius (Verse 49).

As it was explained previously, the “Night Journey” is mentioned in suras 17 and 53. Suras 17 has 111 verses while Sura 53 has 62 verses. The number that is formed by placing them next to each other is

### ---Step 1

$$(\text{Sura 17}) (111 \text{ verses}) (\text{Sura 53}) (62 \text{ verses}) \rightarrow 171115362 = 9 \times 271 \times 3 \times 2 \times 11 \times 1063$$

You can see that “271” is one of the factors! The other factor is Verse 9. Also note that  $(271 \times 3)$  represents the phrase “Creator of Sirius” in Verse 49 as seen above!

### ---Step 2

$$\text{Its sum of the divisors is } 416747520 \text{ which is: } 9 \times 17 \times 19 \times 2^{12} \times 5 \times 7$$

Verse 9, total Night Journey’s verses (17), and code 19 are shown.

### ---Step 3

Writing the original number in Step 1 backwards, it forms

$$263511171 \quad \text{which is } 3 \times 11 \times 9 \times 19 \times 49 \times 953 \quad \text{Verses 9 and 49, and code 19 are shown.}$$

## Section 17.8 – Sura 53's Night Journey verses are coded with 17

As we know, the following verses are attributed to the Night Journey.

**Sura 17:** (Verse 1) and **Sura 53:** (Verses 1, 2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 49)

The total Night Journey's verses across both suras is 17 and Sura 53 contains 16 of them. The number that is formed by

(number of Night Journey verses in Sura 53) (individual Night Journey verse numbers in Sura 53) is

---Step 1

$$1612678910111213141516171849 = 233 \times 862616423 \times 8023692255768311$$

---Step 2

However, looking at its sum of the divisors:

$$1619600280701680992769771392 \text{ which is}$$

$$9^2 \times 17 \times 2^7 \times 13 \times 67 \times 509 \times 9467 \times 536453 \times 4081163$$

As you can see, verse number 9 and total number of verses 17 are part of the divisors.

## Section 17.9 – Total verses of Sura 17

Sura 17 has a total of 111 verses. The sum of its verse numbers can be calculated easily with the series formula:  $\text{Sum} = n(a + z) / 2$  where (n: number of items), (a: first item), (z: last item)

$$\text{Therefore, the sum} = 111 \times (1 + 111) / 2 = 6216$$

If you add the above sum to the total number of verses (111) in Sura 17:

$$(6216 + 111) = 6327 \text{ which is } (9 \times 19 \times 37). \text{ We see numbers 9 and 19 again.}$$

## Section 17.10 – The Creator of Sirius and the Night Journey

In the Verse 53:49, the Arabic phrase for “Creator of Sirius” - “**رَبُّ الشَّعَرَى**” (see Reference material in Chapter 21) has the following Gematrical value:  $(200+2+1+30+300+70+200+10) = 813$  which is  $(3 \times 271)$ . Additionally, the Gematrical value of the Arabic word for the “Night Journey” - “**أَسْرَى**” (in Verse 17:1) is  $(1+60+200+10) = 271$

Please note that in both cases, “271” is a divisor! Therefore, the phrases “Creator of Sirius” and “Night Journey” share the common divisor of 271. In other words, there is a mathematical relationship between the Night Journey and Sirius (Verse 49). Please also see Section 17.5.

Finally, we see that  $813 = 3 \times 271$  but its sum of the divisors is 1088 which is equal to  $1088 = 2^6 \times 17$

We know that 17 is the total number of Night Journey verses and represents Sura 17 where the Night Journey is introduced!

## Section 17.11 – Orbital period of Sirius and number 17

Our calculated 32-digit orbital period of Sirius is tied heavily to Suras 17 and 53 and verses 1, 9, 49, and code number 19. As was shown previously in Section 15.1 of this book, our calculated orbital period without the decimal point is factorized to 5 prime numbers:

$$49947368421052631578947368421053 = 17 \times 92639 \times 720793 \times 9277843 \times 4742553647369$$

- The Fermat prime number 17 is one of the 5 prime divisors.
- 17 is the sura number where the Night Journey is introduced.
- 17 is the total number of verses related to the Night Journey.

## Chapter 18 – Mathematical coding of Sura 53

During this research, many mathematical properties of Sura 53 were discovered. Number 53 is the 16<sup>th</sup> prime used in the coding of the Holy Qur'an based on prime numbers.

### Section 18.1 – The name of Sura 53 points to its number of verses

The Gematrical value of Sura 53's name, "the Star" (النَّجْمُ), is below:

$(1+30+50+3+40) = 124 = 2 \times 62$  but **62 is the total number of verses in this sura!**

### Section 18.2 – Connection of "Star", "bows", and "Sirius"

Sura 53, Verse 1 contains the word "Star" (النَّجْمُ) with a Gematrical value of **124** as seen above.

Verse 53:9 contains the word "bows" (قَوْسَيْنِ) with a Gematrical value of  $(100+6+60+10+50) = 226$

Verse 53:49 contains the word "Sirius" (شِعْرَى) with a Gematrical value of  $(300+70+200+10) = 580$

**All the above 3 words are related to Sirius.**

Now, the sum of Gematrical value of the above 3 words is  $(124+226+580) = 930 = 3 \times 5 \times 62$

Additionally, the Gematrical value of "Sirius" (شِعْرَى) and "bows" (قَوْسَيْنِ) is:

$$(580 + 226) = 806 = 13 \times 62$$

**Amazingly, in both above calculations, one of the divisors is 62 which is the total number of verses in Sura 53!**

### Section 18.3 – Introduction of the Night Journey and swearing that it was true

The sum of verses from 17:1, Sura 18, Sura 19..... to the end of Sura 52 is:

$$(111 + 110 + 98 + 135 + 112 + 78 + 118 + 64 + 77 + 227 + 93 + 88 + 69 + 60 + 34 + 30 + 73 + 54 + 45 + 83 + 182 + 88 + 75 + 85 + 54 + 53 + 89 + 59 + 37 + 35 + 38 + 29 + 18 + 45 + 60 + 49) = 2755$$

Adding the first verse of Sura 53 to the above, brings it to **2756**. It represents the total verses from Sura 17:1 where the Night Journey is described to Sura 53 Verse 1 swearing that the Night Journey was true.

$$2756 = 2^2 \times 13 \times 53 \text{ and we know that 53 represents Sura 53 (Star)!}$$

## Section 18.4 – Suras and verses from 17:1 to 53:1

In the previous section, we observed the sum of verses from Sura 17:1 where the Night Journey is described to Sura 53 Verse 1 describing the star (Sirius) is **2756**. There are also 37 suras from Sura 17 to Sura 53 (including both).  $2756 + 37 = 2793$  which it is equal to  $3 \times 19 \times 49$

As we know, 19 is one of the encryption codes in the Holy Qur'an.

49 represents Verse 49 where Sirius is introduced and its orbital period.

## Section 18.5 – Sum of Sura 53's verse numbers

The sum of Sura 53's verse numbers can be calculated easily with the series formula:

$\text{Sum} = n(a + z) / 2$  where (n: number of items), (a: first item), (z: last item)

Therefore, the sum =  $62 \times (1 + 62) / 2 = 1953$  where  $1953 = 3 \times 7 \times 62$

Number 7 is one of the codes that is used in the Holy Qur'an. Number 62 is the total verses in Sura 53.

Interestingly, the calculated number 1953 starts with "19" and ends with "53".

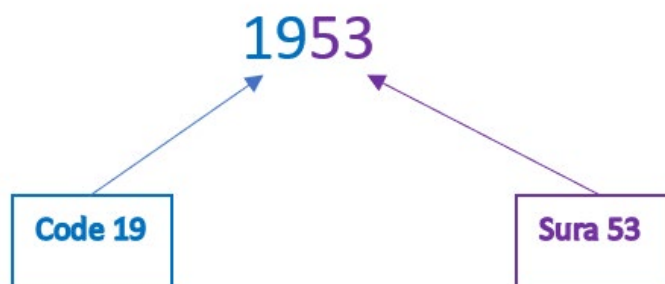


Figure 35 - Sum of Sura 53 verse numbers

## Section 18.6 – Sura 53's verses are coded

Let's factorize the **119-digit number** that is formed by writing the following next to each other: **sura number 53** (**62 total verses**) (**individual verse numbers from 1 to 62**). It took almost 40 minutes of

number crunching on a PC with 2.9GHz Intel Core i7 processor to factorize this number and to obtain its “Sum of Divisors”.

### ---Step 1

(**53621234567891011121314151617181920212223242526272829303132333435363738394041424344454647484950515253545556575859606162**) which it is equal to

$2 \times 13 \times \mathbf{19} \times 4679 \times 219281 \times (3723912521865127725412108117) \times (28409025804492562752325436951432989925917218474065046511605779074177608327949781)$

**Incredibly, the above 119-digit number is divisible only by 19 and 6 other primes!**

### ---Step 2

The Gematrical value (see Section 8.4 for details) of the entire Verse 53:9 is

$(80+20+1+50+100+1+2+100+6+60+10+50+1+6+1+4+50+10) = \mathbf{552}$

Additionally, the Gematrical value of the Arabic word for Sirius “**شُعْرَى**” in Verse 53:49 is  $(300+70+200+10) = \mathbf{580}$

The sum of the divisors for the number in Step 1 is also a 119-digit number listed below:

$(91197710260992981533408053837392902228415920221962355814596874172483772325875298484946891523958375454871942731777958400)$  which is equal to

$\mathbf{9^2 \times 49 \times 111 \times 552 \times 580} \times 2^4 \times 3 \times 5 \times 7 \times 13 \times 227 \times 6871 \times 1169027 \times 1190139443 \times (13642436949327065205059292483690091901237742127886361808390314019469542914168129667)$

Verse numbers **9** and **49** are involved! Additionally, number **111** which is the total verses of Sura 17 is listed, too. The Gematrical value (**552**) of Verse 9 and the word for Sirius (**580**) are shown, too. Please note that  $(552 = 2^3 \times 3 \times 23)$  and  $(580 = 2^2 \times 5 \times 29)$ .

## Section 18.7 – Sura 53’s verses that are not related to the “Night Journey”

Let’s examine the group of verses in Sura 53 that are **not** related to the Night Journey. They are total of **46** verses:



3, 4, 5, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62

Writing together the following: **(total of the verses, 46) (verse numbers)**. We get the 91-digit number beginning with 46, verse 3, verse 4, verse 19, verse 20.....verse 62

(**46**34519202122232425262728293031323334353637383940414243444546474850515253545556575859606162)

### ---Step 1

Factorizing this number produces the following number that is **divisible by 9 and 19 again!**

**9 × 19** × 2 × 148952692922112404081 ×  
(90976708586836138181403709682562211507233081052057688648125861374731)

Verse number **9** and code **19** are involved. Going one more level deep, it is observed that the sum of the divisors of the above number is the **92-digit number** below

### ---Step 2

(10569956075015617812073675483470925757359966120083167852129870605511370004121848206595698720) which is

**9<sup>2</sup> × 53** × 2<sup>5</sup> × 3 × 5 × 13 × 61 × 2236483 × 93637058 267219 × 135658190275147909 ×  
17279943320790468691 × 13176381904424602055812397

Verse 9 and Sura 53 are part of the divisors.

### ---Step 3

The Gematrical value of the Arabic word for Sirius “**شُعْرَى**” is (300+70+200+10) = **580**

Factorizing for the 3<sup>rd</sup> time, sum of the divisors of the above calculation is the 92-digit number below

(41716199145859991500106594294057095922209020044530111233838705627794100140598063322110771200) which is equal to

**9<sup>4</sup> × 17 × 49 × 62 × 580** × 2<sup>11</sup> × 5 × 7 × 11 × 13<sup>2</sup> × 71 × 193 × 563 × 2897 × 10331 × 32327 ×  
128053 × 6474239 × 1313117706661 × 9824781341491 × 19952957366767091

Verse numbers **9** and **49** are involved. Number **17** representing Sura 17 and the total number of verses related to the Night Journey is also here! The number of verses of Sura 53 which is **62** is also listed! The Gematrical value of the Arabic word for “Sirius” (**580**) is there, too.

Please note that  $(62 = 2 \times 31)$ ,  $(552 = 2^3 \times 3 \times 23)$ ,  $(580 = 2^2 \times 5 \times 29)$ .

## Section 18.8 – Placement of Sura 53 in the Holy Qur’an

Let us write down the total number of suras from 1 to 53, individual sura numbers, and their associated number of verses beginning from Sura 1 to Sura 53. Notice that we listed **Sura 9 with its correct number of verses (129)** invalidating one of the false number 19 theories about this Sura.

**(Total suras from 1 to 53) (sura 1, total of 7 verses) (sura 2 with 286 verses) ... (sura 53 with 62 verses)**

The following **222-digit number** is formed. Total suras is 53. You can see throughout this book (e.g., Chapters 14, 15...) that we have included Sura 9 having 129 verses; hence invalidating the false number 19 theories about this Sura.

**(531722863200417651206165720687591291010911123121111343145215991612817111181101998201352111222782311824642577262272793288829693060313432303373345435453683371823888397540854154425343894459453746354738482949185045516052495362)**

Factorizing this number produces the following:

**19 × 49** × 2 × 3 × 7 × 23 × 118819 × 425591 ×

(11691768266793183999136947119106000166506505026154812322443992912915825909164684542678303773231835998647268148412877860542661650403772658764687479184689896043742551664217089222400889637854413362954456049893)

Let’s think about this a little bit. We are factorizing a **222-digit number** that is formed by suras 1 through 53 of the Holy Qur’an along with their associated verses.

**Do you think it is a coincidence that numbers 19 and 49 are part of the divisors?!**

## Section 18.9 – The 53<sup>rd</sup> Sura in the Holy Qur'an

The sum of sura numbers from Sura 1 to Sura 53 (including both) is

$$(1 + 2 + 3 + \dots + 53) = 1431 \text{ which is equal to } 1431 = 3^3 \times 53$$

The 53<sup>rd</sup> sura is a divisor!

## Section 18.10 – Number of verses between 53:9 and 53:49

Sura 53 of the Holy Qur'an introduces the Sirius stars in verses 9 and 49. There are total of 41 verses between verses 9 and 49 including those two themselves (9, 10, 11, 12....., 49).

The sum of numbers: Sura 53, Verse 9, Verse 49, and 41 (number of verses in between verses 9 and 49) is

$$(53 + 9 + 49 + 41) = 152 \quad \text{and} \quad 152 \text{ is divisible by } 19 \text{ and } 8. \quad 152 = 19 \times 8$$

## Section 18.11 – The Lote tree in verses 53:14 and 53:16

The Arabic word for the Lote tree ( *سِدْرَة* ) is mentioned in verses 53:14 and 53:16. The Lote tree is mentioned in the story of the Night Journey, and it was explained in Chapter 6. Let us examine the Gematrical values of the mentioned verses.

عِنْدَ سِدْرَةِ الْمُنْتَهَى

*"Near the Lote tree beyond which none may pass" 53:14*

إِذْ يَغْشَى السِّدْرَةَ مَا يَغْشَى

*"Behold, the Lote tree was shrouded (in mystery)" 53:16*

Verse 14, (70+50+4+60+4+200+5+1+30+40+50+400+5+10) = 929 prime number

Verse 16, (1+700+10+1000+300+10+1+30+60+4+200+5+40+1+10+1000+300+10) = 3682

The sum of the above two verses is 929 + 3682 = 4611 which is equal to 3 × 29 × 53

Please note that the prime number 53 represents Sura 53 where both of these Night Journey verses reside!

## Section 18.12 – Sixteen verses of the Night Journey in Sura 53

As we know, the following verses are attributed to the Night Journey.

**Sura 17:** (Verse 1) and **Sura 53:** (Verses 1, 2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 49)

Sixteen of the above verses are in Sura 53. The gematrical values of those individual verses are below.

Five verses have prime numbers as their individual totals, and they are shaded in blue:

53:1, 53:7, 53:10, 53:13, and 53:14 with values of 853, 373, 293, 1249, and 929 respectively.

**Incredibly, the total of all 16 verses is the prime number 19861 (2247<sup>th</sup> prime).**

Verse #	Arabic Verse	Gematrical Value	Total
53:1	وَالنَّجْمِ إِذَا هَوَىٰ	6+1+30+50+3+40+1+700+1+5+6+10	853
53:2	مَا ضَلَّ صَاحِبُكُمْ وَمَا غَوَىٰ	40+1+800+30+90+1+8+2+20+40+6+40+1+1000+6+10	2095
53:6	ذُو مِرَّةٍ فَاسْتَوَىٰ	700+6+40+200+5+80+1+60+400+6+10	1508
53:7	وَهُوَ بِالْأُفُقِ الْأَعْلَىٰ	6+5+6+2+1+30+1+80+100+1+30+1+70+30+10	373
53:8	ثُمَّ دَنَا فَتَدَلَّىٰ	500+40+4+50+1+80+400+4+30+10	1119
53:9	فَكَانَ قَابَ قَوْسَيْنِ أَوْ أَدْنَىٰ	80+20+1+50+100+1+2+100+6+60+10+50+1+6+1+4+50+10	552
53:10	فَأَوْخَىٰ إِلَىٰ عِيبِهِ مَا أَوْخَىٰ	80+1+6+8+10+1+30+10+70+2+4+5+40+1+1+6+8+10	293
53:11	مَا كَذَّبَ الْفُؤَادُ مَا رَأَىٰ	40+1+20+700+2+1+30+80+6+1+4+40+1+200+1+10	1137
53:12	أَفْتُمَارُونَهُ عَلَىٰ مَا يَرَىٰ	1+80+400+40+1+200+6+50+5+70+30+10+40+1+10+200+10	1154
53:13	وَلَقَدْ رَآهُ نَزْلَةً أُخْرَىٰ	6+30+100+4+200+1+5+50+7+30+5+1+600+200+10	1249
53:14	عِنْدَ سِدْرَةِ الْمُنْتَهَىٰ	70+50+4+60+4+200+5+1+30+40+50+400+5+10	929
53:15	عِنْدَهَا جَنَّةُ الْمَأْوَىٰ	70+50+4+5+1+3+50+5+1+30+40+1+6+10	276
53:16	إِذْ يَغْشَىٰ السَّدْرَةَ مَا يَغْشَىٰ	1+700+10+1000+300+10+1+30+60+4+200+5+40+1+10+1000+300+10	3682
53:17	مَا زَاغَ الْبَصَرُ وَمَا طَغَىٰ	40+1+7+1+1000+1+30+2+90+200+6+40+1+9+1000+10	2438
53:18	لَقَدْ رَأَىٰ مِنْ آيَاتِ رَبِّهِ الْكُبْرَىٰ	30+100+4+200+1+10+40+50+1+10+1+400+200+2+5+1+30+20+2+200+10	1317
53:49	وَأَنَّهُ هُوَ رَبُّ السَّعْرَىٰ	6+1+50+5+5+6+200+2+1+30+300+70+200+10	886
<b>TOTAL</b>			<b>19861</b>

Figure 36 – Gematrical value of 16 verses in Sura 53

## Chapter 19 – Other relationships among the Night Journey’s verses

The more we researched, the more relationships we found among the Night Journey’s suras and verses. It is worth mentioning a couple of more here.

### Section 19.1 – Swearing by the Star – Why?

Sura 53 ( The Star – **النَّجْمُ** ) begins with Verse 1 stating that God swears by the star that rises and sets. In chapter 11 of this book, we talked about Verse 1 in detail.

*“By the star that rises (and sets)” 53:1*

*“Your companion [Muhammad] has not strayed, nor has he erred” 53:2*

*“The (Prophet's) (mind and) heart in no way falsified that which he saw.” 53:11*

*“Will you then dispute with him concerning what he saw?” 53:12*

*“(His) sight never swerved, nor did it go wrong!” 53:17*

As it was described in Chapter 8, verses 2, 11, 12, and 17 indicate that what the prophet saw and experienced was true. **Therefore, the above verses are logically related.** Now, let us examine them mathematically. The Gematrical values of the above verses are listed below:

Verse 1	$(6+1+30+50+3+40+1+700+1+5+6+10) = 853$ prime number
Verse 2	$(40+1+800+30+90+9+2+20+40+6+40+1+1000+6+10) = 2095$
Verse 11	$(40+1+20+700+2+1+30+80+6+1+4+40+1+200+1+10) = 1137$
Verse 12	$(1+80+400+40+1+200+6+50+5+70+30+10+40+1+10+200+10) = 1154$
Verse 17	$(40+1+7+1+1000+1+30+2+90+200+6+40+1+9+1000+10) = 2438$

The sum of the values for verses 2, 11, 12, and 17 is  $(2095 + 1137 + 1154 + 2438) = 6824$

Factorizing the above sum produces  $6824 = 2^3 \times 853$

To our astonishment, the **prime number 853** is one of its divisors! However, 853 is the Gematrical value of Verse 1.

God is swearing by the “star” (specifically “Sirius” because of its connection with the Night Journey) that the prophet has not erred and has not been misled in describing the Night Journey.

Therefore, the above verses are related by meanings, alphabet, and mathematics. Additionally, Verse 53:17 could be considered as the last argument about the fact that the prophet did not make a mistake in seeing what he saw and in describing it. The value of Verse 17 is equal to 2438 which is  $(2 \times 23 \times 53)$ . We already know that number 53 points back to Sura number 53. Were the Sirius stars shown to the prophet as one of the Signs?

## Section 19.2 – Relationship of verses 53:7 and 53:8

There is a very interesting relationship between verses 53:7 and 53:8. The traditional meaning is that Archangel Gabriel was at the highest heavens. Next, in his true form (53:6), he descended and approached the prophet. The meaning could apply to both the first time that he met the prophet in the cave of Hira and during the Night Journey (2 times when he appeared in his true form).

*“(Archangel Gabriel) One of soundness, and he rose to (his) true form” 53:6*

*“While he (Gabriel) was in the highest part of heavens” 53:7*

*“Then he (Gabriel) approached and descended” 53:8*

Now, let us examine verses 53:7 and 53:8. The Gematrical value of the verses is shown below:

Verse 53:7  $(6+5+6+2+1+30+1+80+100+1+30+1+70+30+10) = 373$  Prime number

Verse 53:8  $(500+40+4+50+1+80+400+4+30+10) = 1119$  which is equal to  $(3 \times 373)$

Therefore, the Gematrical value of Verse 7, which is the prime number 373 happens to be one of the divisors of the Gematrical value of Verse 8! **Verses 7 and 8 are connected by meanings, letters, and mathematics!**

### Section 19.3 – Two bows and the Garden of Abode

We discussed Verse 9 in detail in earlier chapters. The above two verses and their Gematrical values are listed below.

*"And was at a distance of **two** bows' length or (even) nearer" 53:9*

*"Near it, is the Garden of Abode" 53:15*

Verse 53:9       $(80+20+1+50+100+1+2+100+6+60+10+50+1+6+1+4+50+10) = 552$

Verse 53:15       $(70+50+4+5+1+3+50+5+1+30+40+1+6+10) = 276$  but  $552 = 2 \times 276$

Somehow the value of Verse 9 is **twice** the value of Verse 15.



## Chapter 20 – Frequencies of discovered codes

As we saw in chapters 8-19, many mathematical relationships among Night Journey's suras/verses and other contents of the Holy Qur'an were discovered. The codes in the following table stood out among the rest. It is worth examining the frequencies of the above codes. How many times have our calculations led to number 17, 19, 49, etc.? Remember that Sirius was introduced in Verse 49 and its orbital period is between 49.9 and 50. You can see that we arrived at number 49 by mathematical calculations 17 times. We know that number 17 also represents the total number of Night Journey's verses and Sura 17 where the Night Journey is introduced! We found "17" fifteen times.

Number	Description	Frequency
"7"	One of the main encryption codes in Qur'an	18
"9"	Verse number 9 in Sura 53 describing the orbit of Sirius	24
"17"	Sura number 17 where the Night Journey is introduced, and the total number of Night Journey's verses, and one of the main encryption codes	15
"19"	One of the main encryption codes in Qur'an	22
"41"	Total number of verses between verses 53:9 and 53:49 inclusive	1
"49"	Verse 53:49 describing the Sirius; also, orbital period of Sirius (49 years)	17
"53"	Sura number 53 where majority of Night Journey's verses are located, and One of the main encryption codes	7
"62"	Total number of verses in Sura 53 and a divisor for Sura "النَّجْم"	13
"111"	Total number of verses in Sura 17	1
"271"	Gematrical value of the Arabic word "أَسْرَى" meaning "Night Journey" and also a divisor for "رَبُّ الشَّعَرَى" meaning the "Creator of Sirius"	2
"367"	Number of Sidereal days	1
"552"	Gematrical value of the entire Verse 53:9	3
"580"	Gematrical value of the Arabic word "شِعْرَى" meaning "Sirius"	3
"853"	Gematrical value of Verse 53:1	1
"1953"	Sum of the verses in Sura 53	1
"4112"	Sum of suras/verses (from Sura 17 with 111 verses to 53 with 62 verses)	1

Figure 37 - Frequency of the Discovered Codes

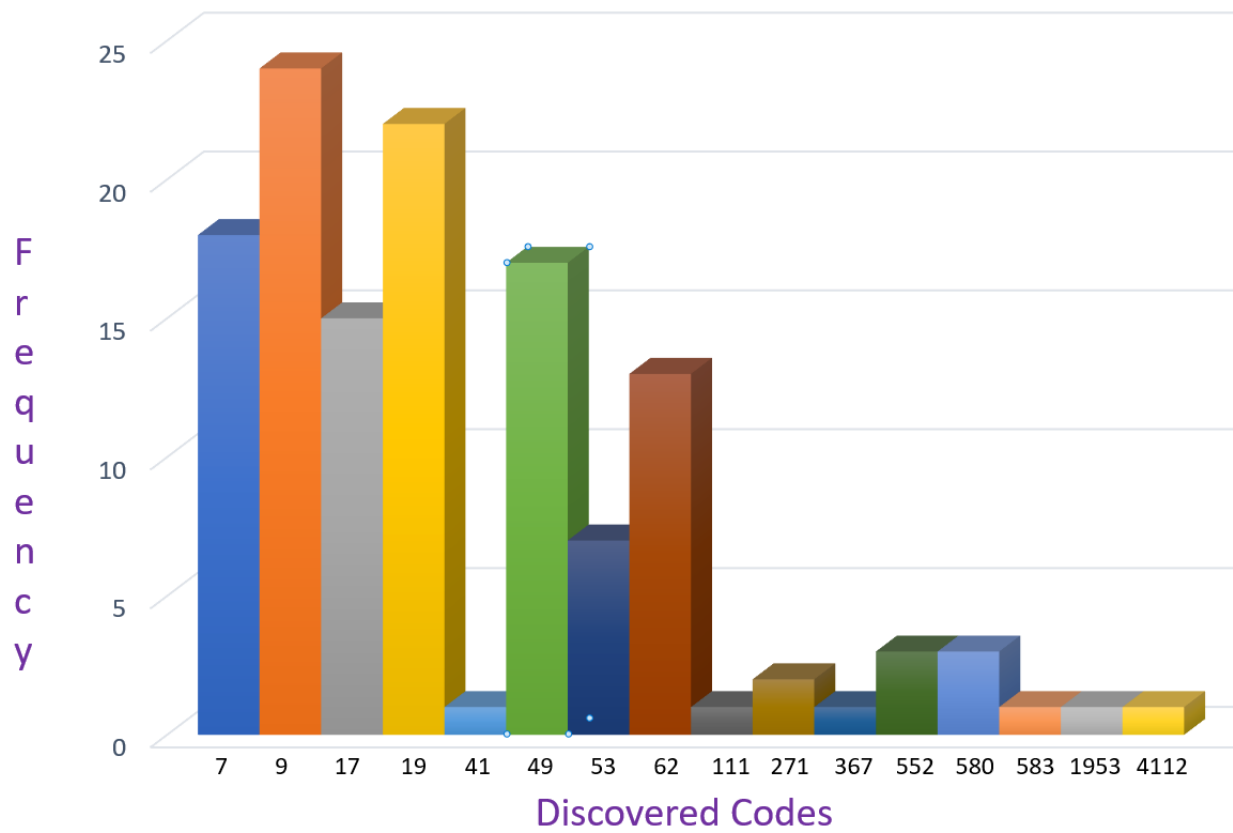


Figure 38 - Chart of the discovered codes

## Chapter 21 – Conclusion

- 1- The “Night Journey” is introduced in Sura 17 and is further discussed in Sura 53 of the Holy Qur’an. Sirius is also discussed in Sura 53 which is called “Star”. Our research demonstrates in many ways that there is a strong relationship between the timing of the Night Journey and Sirius stars being at the Apastron position.
- 2- Complementing the traditional understandings, Verse 53:9 may also be referring to the position of Sirius stars A and B on their orbits. At Apastron position (when the stars are farthest away from each other), the orbits may be visualized as forming two distinct bows with one being closer/smaller than the other. Details are in Chapter 7.
- 3- Verse 49 of Sura 53 introduces Sirius. It is possible that it is giving us a clue about the orbital period of Sirius (scientifically, it is approximately between 49.9 to 50 years but it is closer to 50 and the exact number is not known).
- 4- Considering verse numbers 9 and 49 together as a pair discussing Sirius, it is possible that the Holy Qur’an is hinting at 49.9 years being the period of Sirius (interesting but not a proof). Please see Chapter 8. We ended up discovering many detailed mathematical relationships throughout this research connecting verses 9 and 49.
- 5- The number 949 is formed when you place verse numbers 9 and 49 next to each other. The number is amazingly **949 = ( 19 x 49.947368421052631578947368421053 )**  
It involves the Qur’anic encryption code 19 and number 49.947368421052631578947368421053 which may be a more precise representation of the orbital period of Sirius! It is between 49.9 and 50 but closer to 50 as it is supposed to be scientifically. This calculated orbital period revealed at least 10 more mathematical relationships with **Night Journey’s suras and verses** giving it more credibility for being the potential orbital period! Please see chapters 8 and 15.
- 6- Scientifically, the last time that Sirius A and B stars were at the Apastron position on their orbits was recently in the year 2019.28 CE. As it was demonstrated in Chapter 9, subtracting the period of 49.9473 years repetitively, takes us back to the year **620.7536 CE (20:21:43 pm, on Wednesday,**

**October 1, 620 CE) when the stars were at Apastron.** This date also agrees with the Heliacal rising of Sirius and Verse 53:1. It may be the Night Journey's date (with possibility of a day to a month for margin of error since the best scientific date of 2019.29 CE is an estimate)! The prophet would have been approximately **49 years old** at the time of the Night Journey. The scientific moon data shows that it was a moonless night. Please see Chapter 9.

- 7- Going back from the year 620.7536 by another 49.9473 years, **the stars were at Apastron again during 570 CE.** That takes us back to the year 570.8063 CE which is **the same year (570 CE) that the prophet was born!** The date 570.8063 CE translates into **7:19:34 am, Tuesday, October 21, 570 CE.** The scientific moon data shows that the first quarter moon was on the next day. This date also agrees with the Heliacal rising of Sirius during the summer and Verse 53:1. Please see Chapter 10.
- 8- It is fascinating how our calculated orbital period of Sirius (based on verses 9 and 49), and astronomical Apastron position of Sirius take us to the years **620 CE (Night Journey) and 570 CE (prophet's birthday)!** Isn't that amazing? Please see chapters 9 and 10.
- 9- In Chapter 8, using our calculated orbital period of Sirius, the possible dates for the Night Journey and prophet's birthday were 620.7536 CE and 570.8063 CE. Both occurred during the yearly Heliacal Rising of Sirius and its visibility in the sky. **Verse 53:1 ("By the star that rises and sets") could be pointing to the birth of prophet Muhammad (the brightest star of humanity is born), and then 49 years later, he is raised to the heavens during the Night Journey!**
- 10- Based on our calculations, the Night Journey occurred approximately around the same time as the yearly heliacal rising of Sirius. Therefore, Verse 53:1 could also refer to the yearly rising and setting of Sirius as discussed in Chapter 11.
- 11- Regarding the red color shift of Sirius, one of the theories is that a 3<sup>rd</sup> object may have gone through the inner orbits of the Sirius stars (when the stars were closest to each other). The event would have caused a red color for centuries. Ptolemy reported the color of Sirius as fiery red in the year 140 CE. Based on the calculations in this research **using our 49.9473 period,** Sirius A and B were in the Periastron position in the year **146.2573 CE** which is **within the same window of time.**  
**That is another indication of 49.9473 being true!** Please see Chapter 12.

- 12- It was demonstrated that the Sidereal Time measurement may also be related to verses 9 and 49. In a way, the Holy Qur'an is telling us that Sirius as a distant star can be used for "Time" calculations. We know that it was used for Egyptian calendar system. See Chapter 13.
- 13- The orbital period (49.9473 years) of Sirius was derived from verses 53:9 and 53:49. Using the orbital period, the dates of Night Journey (620.7536 CE) and prophet's birthday (570.8063 CE) were calculated. Both during the Night Journey and prophet's birthday, Sirius stars were in Apastron position (farthest away), coinciding with heliacal rising of Sirius, agreeing with Verse 53:1. Next, using the orbital period, we calculated that in 146.2599 CE, Sirius stars were in Periastron position (closest) matching the historical timeline for the fiery red color of Sirius.

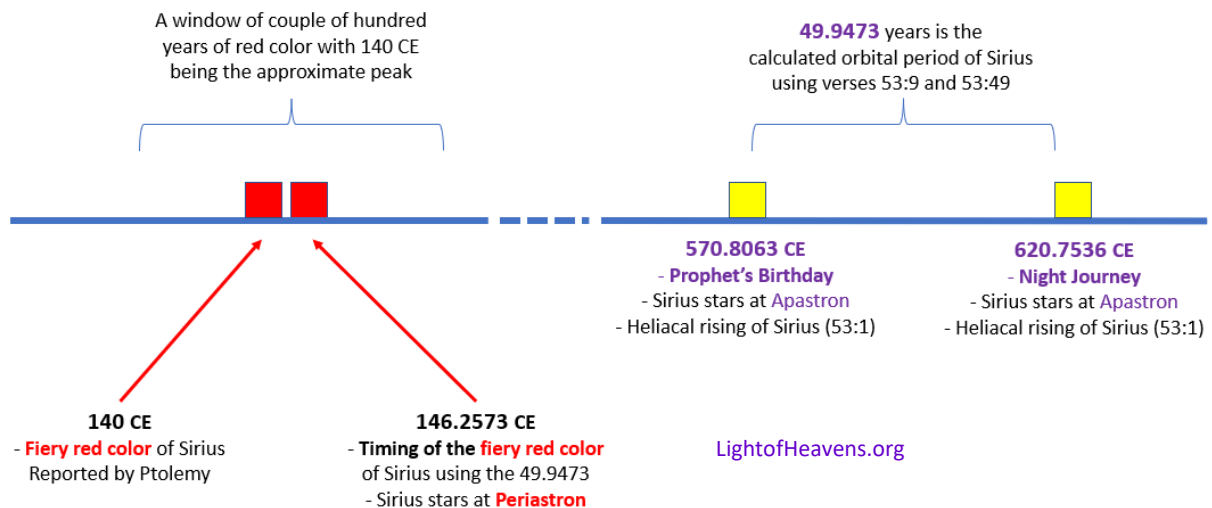


Figure 39 - Timeline of the Discoveries

- 14- We argued strongly that there is a total of 17 verses (including 53:49) in two suras (17 and 53) forming the Night Journey's group of verses. More than 40 new mathematical discoveries are listed in this book proving that the Holy Qur'an is encoded with numbers such as 9, 17, 19, 41, 49, 53, 62, 111, 271, 367, 552, 580, 583, 1953, and 4112 (related to the Night Journey and Sirius stars). I re-emphasize that some of the Holy Qur'an's contents (**but not everything that some folks have claimed**), verse numbers, words, and letters are miraculously related to and coded mathematically with the prime number 19. You can see throughout this book that **we have included Sura 9 having 129 verses**; hence invalidating the false number 19 theories about this Sura. Imagine 19 as **one of the many** encryption keys or passwords in the Holy Qur'an. We are not promoting and or supporting all the claims about

number 19, but we also do not deny that some mathematical relationships with 19 exist as we observed some of them in this book. However, number 19 is not the only code in the Holy Qur'an. We see in this research how other prime numbers such as 17 are also heavily involved.

- 15- We proved how Verse 53:1 is related to verses 53:2, 53:11, 53:12, and 53:17 by the meaning, alphabet selection, and mathematics. Consequently, we proved why Verse 53:1 is swearing by the star. **God is swearing by the "star" (specifically "Sirius" because of its connection with the Night Journey) that the prophet has not erred and has not been misled in describing the Night Journey (see 19.1).**

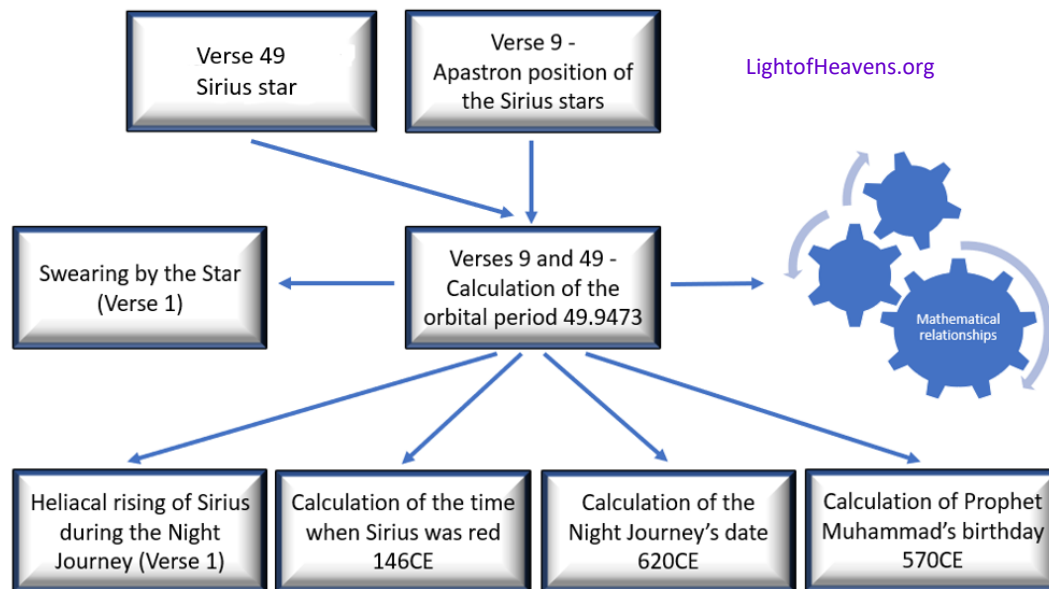


Figure 40 - Overview diagram of the Discoveries

- 16- It was demonstrated in many ways that Verse 53:49 (*"That He is the Lord of Sirius"*) should be considered as part of the group of verses related to the Night Journey. The interesting question is "why"! Why would Allah (SWT) design the Holy Qur'an in a way that the above verse would exhibit such mathematical properties? The logical answer is that Verse 49 must have something to do with

the Night Journey. Next, it was discovered that using the calculated orbital period of Sirius stars, they were at Apastron position on their orbits in years 620 CE and 570 CE. **We strongly believe that all the above mathematical relationships, dates, and the scientific timing of Sirius stars at Apastron position coinciding with the years 620 CE and 570 CE cannot be random or by chance.** To prove the underlying relationship between the Night Journey and Sirius, it was shown how verses 9 and 49 are related in many ways and how verse 49 is part of the Night Journey's group of verses. Additionally, it was explained how suras 17 and 53 are related mathematically (with inclusion of Verse 49) and to the Night Journey. If you pick an unrelated verse such as 48, 51, or others, would you get the same tight web of mathematical relationships?!

**Is the orbital period of Sirius 49.947368421052631578947368421053 years?**

We cannot claim scientifically that the above number is the true period. As we saw in Chapter 5, to prove it scientifically, we would need continuous scientific measurements and observation of Sirius stars over 50 years. However, scientists state that the period is "between 49.9 and 50 years but close to 50 years". Therefore, the above calculated number (based on the verses of the Holy Qur'an) **meets the scientific criteria regarding the range.** We also demonstrated in many ways how verses 9 and 49 are related, part of Night Journey's group of verses, and how the calculated orbital period reveals many of its own amazing mathematical properties. **The above calculated orbital period exhibits at least 10 coherent mathematical properties related to the Holy Qur'an and Night Journey's suras and verses (chapters 8, 15). Additionally, the above calculated orbital period agrees both with the Heliacal rising of Sirius and also the historical reporting of the red color of Sirius around 140 CE. Therefore, there is strong collaborating evidence in this book raising the credibility of our calculated number.**

**Is the calculated year of 620.7536 CE the same year when the famous Night Journey occurred?**

**A-** Our calculated year **620.7536 CE** is just as good as or better than all the reported historical data. At least, we have shown astronomical data about Sirius being in Apastron for the Night Journey and prophet's birthday and have demonstrated many interesting mathematical relationships among the researched verses. Abu Rayhan Biruni (see Chapter 3) lived about 400 years after the prophet's life events. Being the most distinguished and renowned scientist of his time with scientific knowledge of detailed calculation

methods of various calendar systems (Greek, Christian, Hebrew, Persians, Arabs, etc.), Biruni mentions that, due to intercalation, **the accurate reconstruction of the Arabic dates prior to the migration of the prophet from Mecca to Medina is impossible**. After all, if the dates prior to the Hijrat (such as the year of the prophethood or Night Journey) could have been pinpointed accurately then they would have been used as the reference point for the Islamic Hijri Calendar instead of the date of the migration (Hijrat) from Mecca to Medina. The Night Journey's date falls into such category of dates (prior to Hijrat) and cannot be pinpointed precisely based on the historical records. Please see Chapter 3.

**B-** The earliest historical sources of such reported dates are from many years after the prophet's life. The sources of such reports are hearsay (someone heard from someone who heard it from someone else). Additionally, the "hearsay dates" are not identical (620, 621- different years and months) hence adding more doubt to their authenticity. One can't prove logically and/or scientifically which "hearsay historical reported date" is the true one or tied to the Holy Qur'an no matter how you investigate them and who their sources are. Therefore, they are not 100% reliable. **At best, even if a hearsay date was correctly heard and passed on to others over multiple generations, the original source would still be based on the Intercalation and the incorrect pagan Arabs' calendar system described in Chapter 3.**

**C-** Our calculated 620.7536 CE date is obtained from the Holy Qur'an itself and is based on the relationship of verses 9 and 49. Secondly, using the same orbital period of 49.9473 years, we arrived at the year 570.8063 CE. We know that the prophet's birthday is reported to be in the same year. Consequently, it shows that the prophet was approximately 49 years old at the time of the Night Journey. Finally, the Night Journey's date of 620.7536 CE also confirms that it occurred **when the prophet was still residing in Mecca**. All of the above are further proof for the 49.9473 number to be potentially true! Additionally, the years 620 CE and 570 CE represent the times when Sirius A and B **were at Apastron position** (furthest from each other) **forming two intersecting bows with one being closer than the other (meeting the criteria of Verse 53:9)**. Finally, the calculated date of Night Journey coincides with the timing of heliacal rising of Sirius (satisfying Verse 53:1). As you can see, there is a strong consilience among the above discoveries and the Holy Qur'an. Can all the above findings be just a coincidence?

**D-** The calculated date shows a strong correlation between the Holy Qur'an, mathematical, astronomical, and historical events.

Biruni states in one of his books: Some folks reading this know more than me so hopefully they can correct my mistakes, and I would be very happy to learn from them. Some others know less than me and perhaps they can learn something from this book. I only fear the third group of people who are ignorant or hostile.



We thank Allah (SWT) for the opportunity of a lifetime to learn through this research and pray for His forgiveness for any errors and shortcomings in this book.

January 23, 2025



Figure 41 - A child depiction of the Mountain of Light in ancient times

## Chapter 22 – Reference material

*"Exalted is He who took His **true worshipper** (prophet) by **night** from the House of Worship ("al-Masjid al-Haram" in Mecca) to the Remote House of Worship ("al-Masjid al-Aqsa" in Jerusalem), whose surroundings I have blessed, to show him of Our signs. Indeed, He is the Hearing, the Seeing." 17:1*

***"By the star that rises (and sets)" 53:1***

*"Your companion [Muhammad] has not strayed, nor has he erred" 53:2*

*"(Archangel Gabriel) One of soundness, and he rose to (his) true form" 53:6*

*"While he (Gabriel) was in the highest part of heavens" 53:7*

*"Then he (Gabriel) approached and descended" 53:8*

***"And was at a distance of two bows' length or (even) nearer" 53:9***

*"Then Allah revealed to His **true worshipper** what He had revealed (through) Gabriel" 53:10*

*"The (prophet's) (mind and) heart in no way falsified that which he saw." 53:11*

*"Will you then dispute with him concerning what he saw?" 53:12*

*"And indeed he (prophet) saw him (Gabriel) at a second descent" 53:13*

*"Near the Lote tree beyond which none may pass" 53:14*

*"Near it, is the Garden of Abode" 53:15*

*"Behold, the Lote tree was shrouded (in mystery)" 53:16*

*"(prophet's) sight never swerved, nor did it go wrong!" 53:17*

*"For truly did he see, of the Signs of his Lord, the Greatest!" 53:18*

***"That He is the Lord of Sirius" 53:49***

Figure 42 - English Translation of Night Journey's group of verses

It is interesting that from total of 17 verses, we have 5 verses represented by prime numbers under the “Total” and “Factor” columns. Additionally, the word for “Night Journey” also ends up in a prime number (271). Please see below.

Night Journey's Group of Verses/Phrases				
S/V	Arabic Verse/Phrase	Gematrical Value	Total	Factor
53:1	وَالنَّجْمِ إِذَا هَوَىٰ	6+1+30+50+3+40+1+700+1+5+6+10	853	853
53:2	مَا ضَلَّ صَاحِبُكُمْ وَمَا غَوَىٰ	40+1+800+30+90+1+8+2+20+40+6+40+1+1000+6+10	2095	5 × 419
53:6	ذُو مِرَّةٍ فَاسْتَوَىٰ	700+6+40+200+5+80+1+60+400+6+10	1508	13 × 116
53:7	وَهُوَ بِالْأُفُقِ الْأَعْلَىٰ	6+5+6+2+1+30+1+80+100+1+30+1+70+30+10	373	373
53:8	ثُمَّ دَنَا فَتَدَلَّىٰ	500+40+4+50+1+80+400+4+30+10	1119	3 × 373
53:9	فَكَانَ قَابَ قَوْسَيْنِ أَوْ أَدْنَىٰ	80+20+1+50+100+1+2+100+6+60+10+50+1+6+1+4+50+10	552	2 × 276
53:10	فَأَوْخَىٰ إِلَىٰ عَیْبِهِ مَا أَوْخَىٰ	80+1+6+8+10+1+30+10+70+2+4+5+40+1+1+6+8+10	293	293
53:11	مَا كَذَّبَ الْفُؤَادُ مَا رَأَىٰ	40+1+20+700+2+1+30+80+6+1+4+40+1+200+1+10	1137	3 × 379
53:12	أَفْتُمَارُونَهُ عَلَىٰ مَا يَبَىٰ	1+80+400+40+1+200+6+50+5+70+30+10+40+1+10+200+10	1154	2 × 577
53:13	وَلَقَدْ رَآهُ نَزْلَةً أُخْرَىٰ	6+30+100+4+200+1+5+50+7+30+5+1+600+200+10	1249	1249
53:14	عِنْدَ سِدْرَةِ الْمُنْتَهَىٰ	70+50+4+60+4+200+5+1+30+40+50+400+5+10	929	929
53:15	عِنْدَهَا جَنَّةُ الْمَأْوَىٰ	70+50+4+5+1+3+50+5+1+30+40+1+6+10	276	2 <sup>2</sup> × 3 × 23
53:16	إِذْ يَغْشَى السُّدْرَةَ مَا يَغْشَىٰ	1+700+10+1000+300+10+1+30+60+4+200+5+40+1+10+1000+300+10	3682	2 × 7 × 263
53:17	مَا زَاغَ الْبَصَرُ وَمَا طَغَىٰ	40+1+7+1+1000+1+30+2+90+200+6+40+1+9+1000+10	2438	2 × 23 × 53
53:18	لَقَدْ رَأَىٰ مِنْ آيَاتِ رَبِّهِ الْكُبْرَىٰ	30+100+4+200+1+10+40+50+1+10+1+400+200+2+5+1+30+20+2+200+10	1317	3 × 439
53:49	وَأَنَّهُ هُوَ رَبُّ الشَّعْرَىٰ	6+1+50+5+5+6+200+2+1+30+300+70+200+10	886	2 × 443
17:1	سُبْحَنَ الَّذِي أَسْرَىٰ بِعَبْدِهِ لِئَلَّا مِّنَ الْمَسْجِدِ الْخَرَامِ إِلَى الْمَسْجِدِ الْأَقْصَا الَّذِي بَنَىٰ حَوْلَهُ الْبَرِيُّ لَهُ ءَايَاتِنَا إِنَّهُ هُوَ السَّمِيعُ الْبَصِيرُ	60+2+8+50+1+30+700+10+1+60+200+10+2+70+2+4+5+30+10+30+1+40+50+1+30+40+60+3+4+1+30+8+200+1+40+1+30+10+1+30+40+60+3+4+1+30+1+100+90+1+1+30+700+10+2+200+20+50+1+8+6+30+5+30+50+200+10+5+40+50+1+10+400+50+1+1+50+5+5+6+1+30+60+40+10+70+1+30+2+90+10+200	4717	53 × 89
In 53:1	النَّجْمِ	1+30+50+3+40 The Arabic word for “Star”	124	2 × 62
In 53:9	قَوْسَيْنِ	100+6+60+10+50 The Arabic word for the “bows”	226	2 × 113
In 17:1	أَسْرَىٰ	1+60+200+10 The Arabic word for “Night Journey”	271	271
In 53:49	شَّعْرَىٰ	300+70+200+10 The Arabic word for “Sirius”	580	5 × 116
In 53:49	رَبُّ الشَّعْرَىٰ	200+2+1+30+300+70+200+10 The Arabic word for “Creator of Sirius”	813	3 × 271

Figure 43 - Gematrical values of all of the Night Journey verses/phrases

5	هـ	4	د	3	ج	2	ب	1	ا
10	ها	9	طا	8	جا	7	با	6	وا
60	سا	50	نا	40	ما	30	كا	20	كا
200	را	100	قا	90	صا	80	فا	70	ما
700	ذا	600	ما	500	تا	400	تا	300	شا
			1000	ما	900	ما	800	ما	ما

Figure 44 - Gematrical values of Arabic Alphabet letters

Prime Codes in the Holy Qur'an						1	ء
79	ك	47	ض	19	د	2	ا
83	ل	53	ط	23	ذ	3	ب
89	م	59	ظ	29	ر	5	ت
97	ن	61	ع	31	ز	7	ث
101	ه	67	غ	37	س	11	ج
103	و	71	ف	41	ش	13	ح
107	ي	73	ق	43	ص	17	خ

Figure 45 - Primalogy codes for the Arabic Alphabet letters

Months in the Islamic Calendar	
Month Names	Days
Muḥarram	29/30
Ṣafar	29/30
Rabī' al-awwal	29/30
Rabī' ath-thānī	29/30
Jumādā al-ūlá	29/30
Jumādā al-ākhirah	29/30
Rajab	29/30
Sha'bān	29/30
Ramaḍān	29/30
Shawwāl	29/30
Dhū al-Qa'dah	29/30
Dhū al-Ḥijjah	29/30

Figure 46 - Arabic Months



Each time subtracting the Orbital period of 49.947368421052631578947368421053	
<b>2019.28</b>	<b>Most recent apastron</b>
1,969.3326315789473684210526315789	Previous apastron
1,919.3852631578947368421052631579	Previous apastron
1,869.4378947368421052631578947368	Previous apastron
1,819.4905263157894736842105263158	Previous apastron
1,769.5431578947368421052631578947	Previous apastron
1,719.5957894736842105263157894737	Previous apastron
1,669.6484210526315789473684210526	Previous apastron
1,619.7010526315789473684210526316	Previous apastron
1,569.7536842105263157894736842105	Previous apastron
1,519.8063157894736842105263157895	Previous apastron
1,469.8589473684210526315789473684	Previous apastron
1,419.9115789473684210526315789474	Previous apastron
1,369.9642105263157894736842105263	Previous apastron
1,320.0168421052631578947368421053	Previous apastron
1,270.0694736842105263157894736842	Previous apastron
1,220.1221052631578947368421052632	Previous apastron
1,170.1747368421052631578947368421	Previous apastron
1,120.227368421052631578947368421	Previous apastron
1,070.28	Previous apastron
1,020.3326315789473684210526315789	Previous apastron
970.38526315789473684210526315789	Previous apastron
920.43789473684210526315789473683	Previous apastron
870.49052631578947368421052631578	Previous apastron
820.54315789473684210526315789473	Previous apastron
770.59578947368421052631578947368	Previous apastron
720.64842105263157894736842105262	Previous apastron
670.70105263157894736842105263157	Previous apastron
<b>620.75368421052631578947368421052</b>	<b>Night Journey</b>
<b>570.80631578947368421052631578946</b>	<b>Prophet's birthday</b>

Figure 47 - List of the years when Sirius stars have been in Apastron

Each time subtracting the Orbital period of 49.947368421052631578947368421053	
1994.31	Most recent periastron
1,944.3626315789473684210526315789	Previous periastron
1,894.4152631578947368421052631579	Previous periastron
1,844.4678947368421052631578947368	Previous periastron
1,794.5205263157894736842105263158	Previous periastron
1,744.5731578947368421052631578947	Previous periastron
1,694.6257894736842105263157894737	Previous periastron
1,644.6784210526315789473684210526	Previous periastron
1,594.7310526315789473684210526316	Previous periastron
1,544.7836842105263157894736842105	Previous periastron
1,494.8363157894736842105263157895	Previous periastron
1,444.8889473684210526315789473684	Previous periastron
1,394.9415789473684210526315789474	Previous periastron
1,344.9942105263157894736842105263	Previous periastron
1,295.0468421052631578947368421053	Previous periastron
1,245.0994736842105263157894736842	Previous periastron
1,195.1521052631578947368421052632	Previous periastron
1,145.2047368421052631578947368421	Previous periastron
1,095.257368421052631578947368421	Previous periastron
1,045.31	Previous periastron
995.36263157894736842105263157894	Previous periastron
945.41526315789473684210526315789	Previous periastron
895.46789473684210526315789473683	Previous periastron
845.52052631578947368421052631578	Previous periastron
795.57315789473684210526315789473	Previous periastron
745.62578947368421052631578947368	Previous periastron
695.67842105263157894736842105262	Previous periastron
645.73105263157894736842105263157	Previous periastron
595.78368421052631578947368421052	Previous periastron
545.83631578947368421052631578946	Previous periastron
495.88894736842105263157894736841	Previous periastron
445.94157894736842105263157894736	Previous periastron
395.9942105263157894736842105263	Previous periastron
346.04684210526315789473684210525	Previous periastron
296.0994736842105263157894736842	Previous periastron
246.15210526315789473684210526315	Previous periastron
196.20473684210526315789473684209	Previous periastron
146.25736842105263157894736842104	Fiery red color

Figure 48 - List of the years when Sirius stars have been in Periastron



Number	Description	Frequency
"7"	One of the main encryption codes in Qur'an	18
"9"	Verse number 9 in Sura 53 describing the orbit of Sirius	24
"17"	Sura number 17 where the Night Journey is introduced, and the total number of Night Journey's verses, and one of the main encryption codes	15
"19"	One of the main encryption codes in Qur'an	22
"41"	Total number of verses between verses 53:9 and 53:49 inclusive	1
"49"	Verse 53:49 describing the Sirius; also, orbital period of Sirius (49 years)	17
"53"	Sura number 53 where majority of Night Journey's verses are located, and One of the main encryption codes	7
"62"	Total number of verses in Sura 53 and a divisor for Sura "النَّجْم"	13
"111"	Total number of verses in Sura 17	1
"271"	Gematrical value of the Arabic word "أَسْرَى" meaning "Night Journey" and also a divisor for "رَبُّ الشَّعَرَى" meaning the "Creator of Sirius"	2
"367"	Number of Sidereal days	1
"552"	Gematrical value of the entire Verse 53:9	3
"580"	Gematrical value of the Arabic word "شَعْرَى" meaning "Sirius"	3
"853"	Gematrical value of Verse 53:1	1
"1953"	Sum of the verses in Sura 53	1
"4112"	Sum of suras/verses (from Sura 17 with 111 verses to 53 with 62 verses)	1

Figure 49 - Frequencies of discovered codes

First column within each month is for regular years. The second is for leap years

day of month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	001	032 032	060 061	091 092	121 122	152 153	182 183	213 214	244 245	274 275	305 306	335 336
2	002	033 033	061 062	092 093	122 123	153 154	183 184	214 215	245 246	275 276	306 307	336 337
3	003	034 034	062 063	093 094	123 124	154 155	184 185	215 216	246 247	276 277	307 308	337 338
4	004	035 035	063 064	094 095	124 125	155 156	185 186	216 217	247 248	277 278	308 309	338 339
5	005	036 036	064 065	095 096	125 126	156 157	186 187	217 218	248 249	278 279	309 310	339 340
6	006	037 037	065 066	096 097	126 127	157 158	187 188	218 219	249 250	279 280	310 311	340 341
7	007	038 038	066 067	097 098	127 128	158 159	188 189	219 220	250 251	280 281	311 312	341 342
8	008	039 039	067 068	098 099	128 129	159 160	189 190	220 221	251 252	281 282	312 313	342 343
9	009	040 040	068 069	099 100	129 130	160 161	190 191	221 222	252 253	282 283	313 314	343 344
10	010	041 041	069 070	100 101	130 131	161 162	191 192	222 223	253 254	283 284	314 315	344 345
11	011	042 042	070 071	101 102	131 132	162 163	192 193	223 224	254 255	284 285	315 316	345 346
12	012	043 043	071 072	102 103	132 133	163 164	193 194	224 225	255 256	285 286	316 317	346 347
13	013	044 044	072 073	103 104	133 134	164 165	194 195	225 226	256 257	286 287	317 318	347 348
14	014	045 045	073 074	104 105	134 135	165 166	195 196	226 227	257 258	287 288	318 319	348 349
15	015	046 046	074 075	105 106	135 136	166 167	196 197	227 228	258 259	288 289	319 320	349 350
16	016	047 047	075 076	106 107	136 137	167 168	197 198	228 229	259 260	289 290	320 321	350 351
17	017	048 048	076 077	107 108	137 138	168 169	198 199	229 230	260 261	290 291	321 322	351 352
18	018	049 049	077 078	108 109	138 139	169 170	199 200	230 231	261 262	291 292	322 323	352 353
19	019	050 050	078 079	109 110	139 140	170 171	200 201	231 232	262 263	292 293	323 324	353 354
20	020	051 051	079 080	110 111	140 141	171 172	201 202	232 233	263 264	293 294	324 325	354 355
21	021	052 052	080 081	111 112	141 142	172 173	202 203	233 234	264 265	294 295	325 326	355 356
22	022	053 053	081 082	112 113	142 143	173 174	203 204	234 235	265 266	295 296	326 327	356 357
23	023	054 054	082 083	113 114	143 144	174 175	204 205	235 236	266 267	296 297	327 328	357 358
24	024	055 055	083 084	114 115	144 145	175 176	205 206	236 237	267 268	297 298	328 329	358 359
25	025	056 056	084 085	115 116	145 146	176 177	206 207	237 238	268 269	298 299	329 330	359 360
26	026	057 057	085 086	116 117	146 147	177 178	207 208	238 239	269 270	299 300	330 331	360 361
27	027	058 058	086 087	117 118	147 148	178 179	208 209	239 240	270 271	300 301	331 332	361 362
28	028	059 059	087 088	118 119	148 149	179 180	209 210	240 241	271 272	301 302	332 333	362 363
29	029	060	088 089	119 120	149 150	180 181	210 211	241 242	272 273	302 303	333 334	363 364
30	030		089 090	120 121	150 151	181 182	211 212	242 243	273 274	303 304	334 335	364 365
31	031		090 091		151 152		212 213	243 244		304 305		365 366

Figure 50 – Day of Year

Courtesy of NASA - <https://www.scp.byu.edu/docs/doychart.html>