

Miracles of The Quran About the Sun

One of the things that prove that Quran is the words of Allah, is that it informs us of scientific facts that no one could have possibly known about when Quran was sent 1400 years ago. The information provided in Quran about the Sun is just one of these amazing miracles.

http://www.miraclesofthequran.com/scientific_110.html

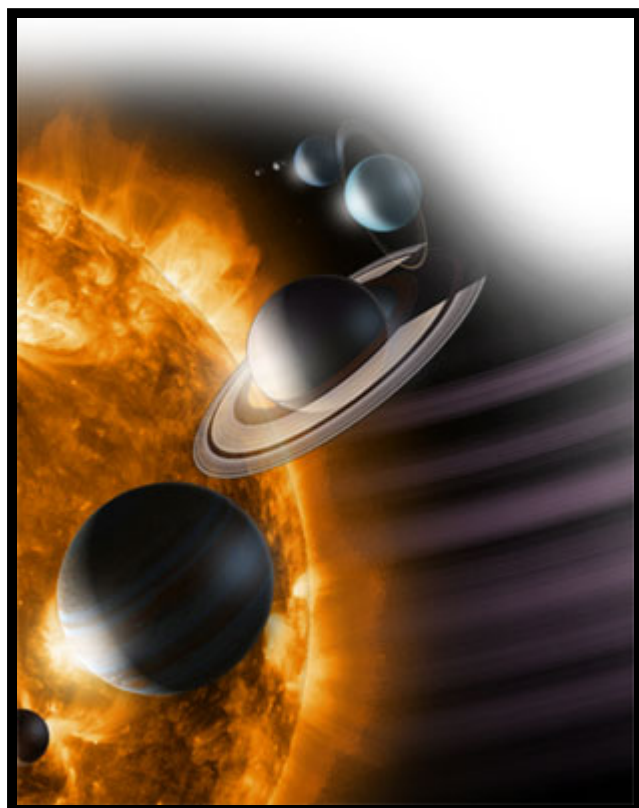
HE HELIO-CENTRIC SYSTEM

He created the heavens and the Earth with truth. He wraps the night around the day and wraps the day around the night, and has made the Sun and Moon subservient, each one running for a specified term. Is He not indeed the Almighty, the Endlessly Forgiving? (Surat az-Zumar, 5)

In the above verse the movement of the Earth is described by the word "yukawwiru," which comes from root verb "takwir," meaning "to cover up a spherical body," in the way that the rotation of the Earth gives rise to night and day, like the winding of a turban. In addition to the spherical shape of the Earth the word is also the most accurate expression of its movement around the Sun.

Because of the Earth's spherical shape and its movement around the Sun, the Sun always illuminates one side of the Earth while the other is in darkness. The side in shadow is shrouded by the darkness of night, to be replaced by the brightness of day when the Sun rises. The positions of the Sun and Earth are revealed as follows in Surah Ya Sin:

And the Sun runs to its resting place. That is the decree of the Almighty, the All-Knowing. And We have decreed set phases for the Moon, until it ends up looking like an old palm spathe. It is not for the Sun to overtake the Moon nor for the night to outstrip the day; each one is swimming in a sphere. (Surah Ya Sin, 38-40)



The movements of the Sun and Moon in verse 40 of Surah Ya Sin are described by the Arabic word "yasbahoona," meaning "flowing, passing or swimming." This word refers to an action performed by someone on their own. Someone acting according to this verb continues to perform it alone, with no intervention from anyone else. The above verses may therefore be referring to the Sun's independent movement in the universe, independent of any other celestial body. (Allah knows the truth.) It is impossible for us to see or follow the movement of the Sun with our own eyes. It is only possible to determine that movement using special technological equipment. As stated in verse 39 of Surah Ya Sin, in addition to rotating around its own axis once every 26 days, the Sun also moves through its own course.

The verse also reports that the Sun is not allowed to "overtake the Moon," and the Qur'an thus states that the Sun and Moon do not revolve around the same body, as astronomers put it. At the same time, the verse makes it clear that there is no connection between the motion responsible for night and day and the movement of the Sun and

Moon. (Allah knows the truth.)

Until the 16th century it was thought that the Earth was the center of the universe. This view is known as the "geo-centric model," from the Greek words *geo* (Earth) and *centron* (center). This belief was questioned by the famous astronomer Nicolaus Copernicus in 1543 in his book *De Revolutionibus Orbium Coelestium* (Of the Revolutions of Heavenly Spheres), in which he suggested that the Earth and the other planets revolve around the Sun. But as a result of observations using a telescope performed by Galileo Galilei in 1610, it was scientifically established that the Earth revolves around the Sun. Since it had hitherto been thought that the Sun revolved around the Earth, most scholars of the time rejected Copernicus' theory. The famous astronomer Johannes Kepler's views setting out the movements of the planets confirmed the helio-centric model in the 16th and 17th centuries. In this model, whose name comes from the words *Helios* (Sun) and *centron* (center), the Sun is the center of the universe, rather than the Earth. Other heavenly bodies also revolve around the Sun. Yet this was all revealed 1400 years ago in the Qur'an.

By saying that the Earth was the center of the universe, the ancient Greek astronomer Ptolemy was responsible for the geo-centric idea of the universe that prevailed for hundreds of years. For that reason, at the time of the revelation of the Qur'an, nobody knew that the Earth-centered model that accounted for the formation of day and night in terms of the movement of the Sun was incorrect. On the contrary, all the stars and planets were regarded as revolving around the Earth. Despite these prevalent errors of the time, the Qur'an contains many expressions that agree with the scientific facts regarding day and night:

By the Sun and its morning brightness, and the moon when it follows it, and the day when it displays it, and the night when it conceals it (Surat ash-Shams, 1-4)

As set out in the above verse, day, the brightness of the Sun, is the result of the movement of the Earth. It is not the movement of the Sun that is responsible for night and day. In other words, the Sun is immobile in terms of night and day. The information in the Qur'an refutes the thesis that the Earth is fixed while the Sun revolves around it. The Qur'an is clearly descended from the presence of our Lord, He Who is unfettered by space and time. As science and technology advance more and more examples of the compatibility between the Qur'an and science are coming to light. This is set out in another verse from the Qur'an:

There is instruction in their stories for people of intelligence. This is not a narration which has been invented but confirmation of all that came before, a clarification of everything, and a guidance and a mercy for people who believe. (Surah Yusuf, 111)

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THE SUN WILL EVENTUALLY EXPIRE

And the Sun runs to its resting place. That is the decree of the Almighty, the All-Knowing. (Surah Ya Sin, 38)

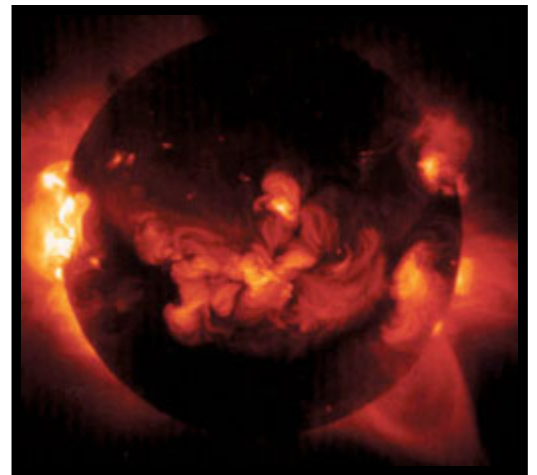
The Sun has been emitting heat for around 5 billion years as a result of the constant chemical reactions taking place on its surface. At a moment determined by Allah in the future, these reactions will eventually come to an end, and the Sun will lose all its energy and finally go out. In that context, the above verse may be a reference to the Sun's energy one day coming to an end. (Allah knows the truth.)

The Arabic word "*limustaqarrin*" in the verse refers to a particular place or time. The word "*tajree*" translated as "runs," bears such meanings as "to move, to act swiftly, to move about, to flow." It appears from the meanings of the words that the Sun will continue in its course in time and space, but that this motion will continue until a specific, predetermined time. The verse "**When the sun is compacted in blackness,**" (Surat at-Takwir, 1) which appears in descriptions of Doomsday, tells us that such a time will be coming. The specific timing is known only to Allah.

The Arabic word "*taqdeeru*," translated as "decree" in the verse, includes such meanings as "to appoint, to determine the destiny of something, to measure." By this expression in verse 38 of Surah Ya Sin, we are told that the life span of the Sun is limited to a specific period, one ordained by Allah. Other verses of the Qur'an on the subject read:

Allah is He Who raised up the heavens without any support – you can see that – and then established Himself firmly on the Throne. He made the Sun and Moon subservient, each running for a specified term. He directs the whole affair. He makes the Signs clear so that hopefully you will be certain about the meeting with your Lord. (Surat ar- Ra'd, 2)

He makes night merge into day and day merge into night, and He has made the Sun and Moon subservient, each one running until a specified time. That is Allah, your Lord. The Kingdom is His. Those you call on besides Him have no power over even the smallest speck. (Surah Fatir, 13)



He created the heavens and the earth with truth. He wraps the night around the day and wraps the day around the night, and has made the Sun and Moon subservient, each one running for a specified term. Is He not indeed the Almighty, the Endlessly Forgiving? (Surah az-Zumar, 5)

The use of the word "*musamman*" in the above verses shows that the life span of the Sun will run for a "specified term." Scientific analysis regarding the end of the Sun describes it as consuming 4 million tons of matter a second, and says that the Sun will die when that fuel has all been consumed.¹ The heat and light emitted from the Sun is the energy released when matter is consumed as hydrogen nuclei turn into helium in the nuclear fusion process. The Sun's energy, and therefore its life, will thus come to an end once this fuel has been used up. (Allah knows the truth.) A report titled "The Death of the Sun" by the *BBC News Science Department* says:

... The Sun will gradually die. As a star's core crashes inwards, it eventually becomes hot enough to ignite another of its constituent atoms, helium. Helium atoms fuse together to form carbon. When the helium supply runs out, the centre collapses again and the atmosphere inflates. The Sun isn't massive enough to fully re-ignite its core for a third time. So it goes on expanding, shedding its atmosphere in a series of bursts... The dying core eventually forms a white dwarf - a spherical diamond the size of the Earth, made of carbon and oxygen. From this point on the Sun will gradually fade away, becoming dimmer and dimmer until its light is finally snuffed out. 2

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A documentary, also called "The Death of the Sun," broadcast by *National Geographic TV*, provides the following description:

It (the Sun) generates heat and sustains life on our planet. But like humans, the Sun has a limited lifespan. As our star ages, it will become hotter and expand, evaporating all of our oceans and killing all life on planet Earth... The Sun will get hotter as it ages and burns fuel faster. Temperatures will increase, eventually wiping out animal life, evaporating our oceans and killing all plant life... the Sun will swell and become a red giant star, swallowing up the nearest planets. Its

gravitational pull will lessen and perhaps allow Earth to escape. By the end, it will shrink into a white dwarf star, emitting a weak glow for hundreds of billions of years. 3

Scientists have only recently unravelled the structure of the Sun and discovered what goes on inside it. Before that, nobody knew how the Sun obtained its energy or how it emitted heat and light. The way that such a giant mass of energy would one day consume all its energy and expire was revealed 1400 years ago in the Qur'an shows the presence of a sublime knowledge. That knowledge belongs to our Lord, Whose knowledge enfolds all things. Another verse of the Qur'an reveals:

... My Lord encompasses all things in His knowledge so will you not pay heed? (Surat Al-An'am, 80)

1. <http://en.wikipedia.org/wiki/Sun>

2. <http://www.bbc.co.uk/science/space/stars/death/index.shtml>;

3. "Death of the Sun", National Geographic Channel, 20 Mart 2006, director: Rabinder Minhas, bölüm no. 25, sezon no. 3.

<https://www.harunyahya.info/en/articles/miracles-of-the-quran-about-the-sun>