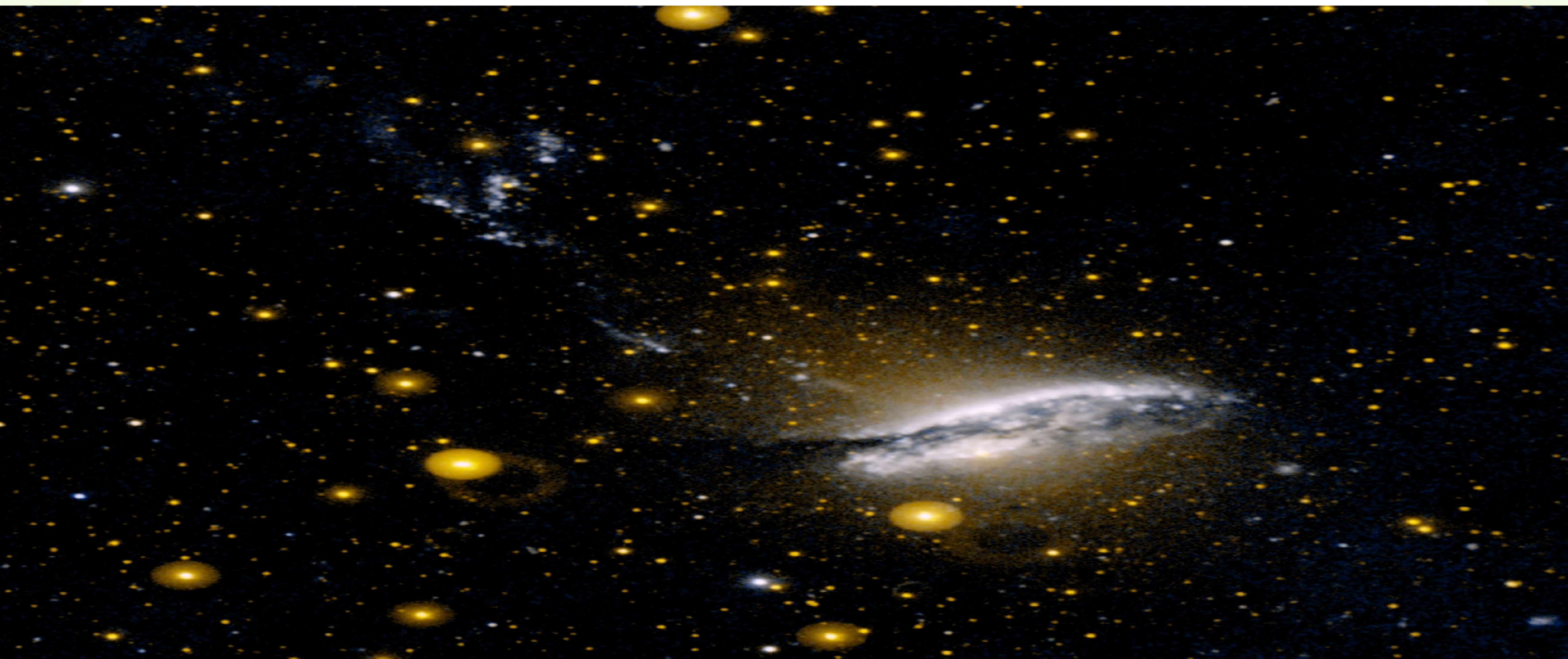


# The 4th day of Creation

Presented by Octavian D. Baban

*The Bible story says that God has created the  
Universe - and the Earth, in 6 days...*

*And in the 7th he had a good rest*



## ***Note the logic of the Creation story:***

### **The environment**

**1:2-5, 1st day**

**1:6-8, 2nd day**

**1:9-13, 3rd day**

### **The inhabitants**

**1:14-18, 4th day**

**1:19-23, 5th day**

**1:24-31, 6th day**

**Plus the 7<sup>th</sup> day!**

## The environment

1:2-5, 1st day, **light**, day – night pair

1:6-8, 2nd day, **the heavens**, heavens – seas

1:9-13, 3rd day, **seas – land pair**

three elements: seas - land – vegetation

## The inhabitants

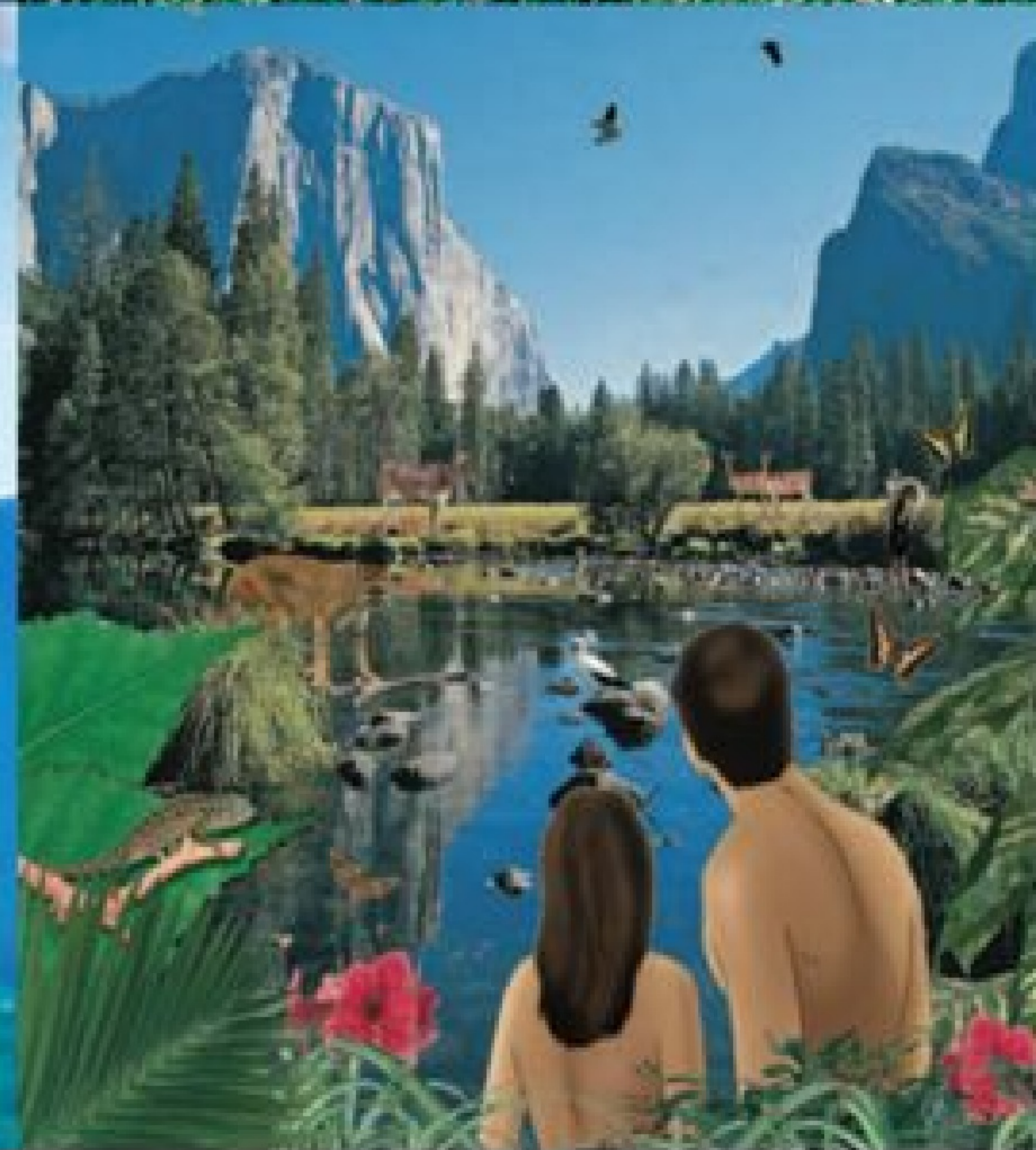
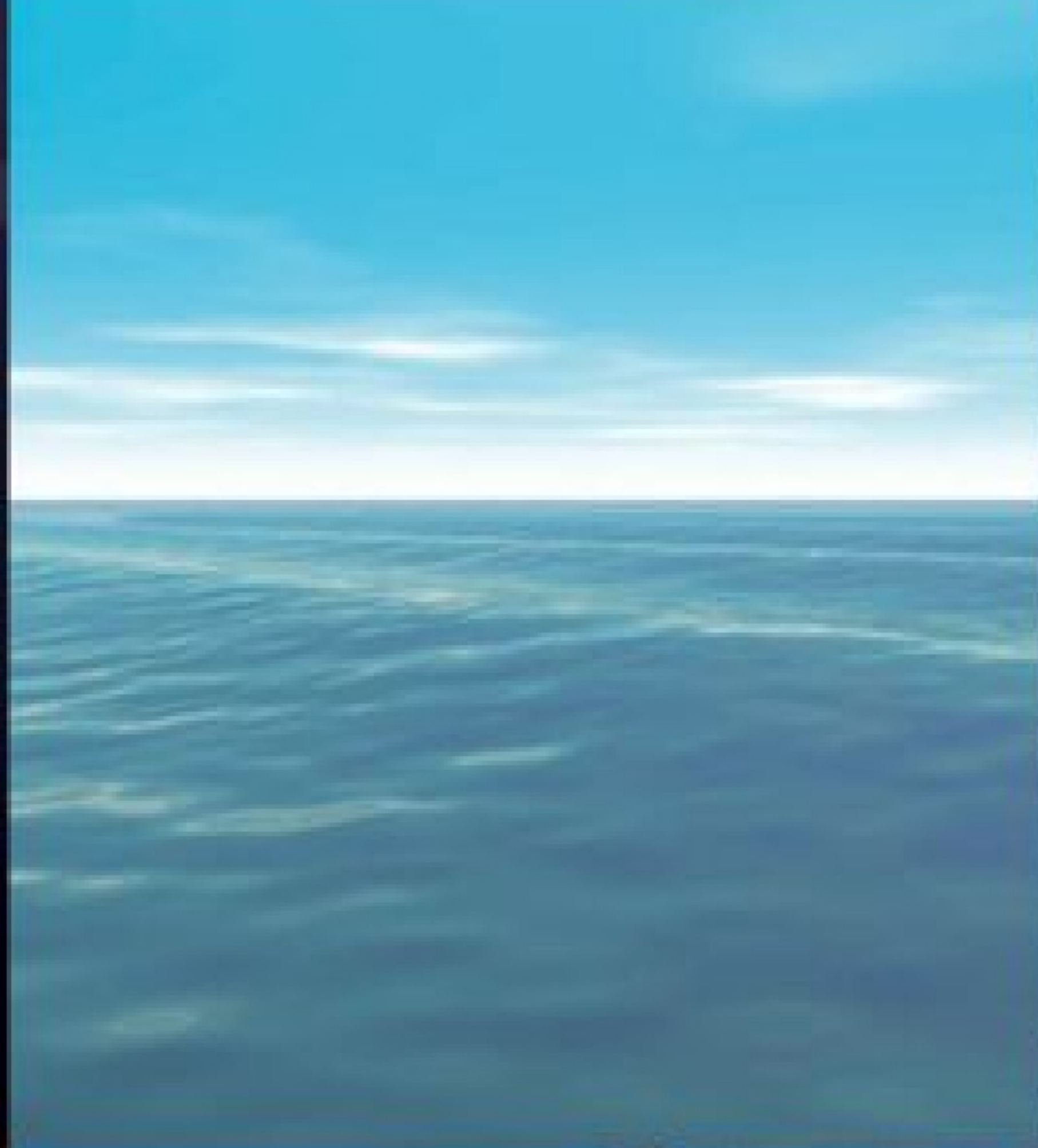
1:14-18, 4th day, **sun – moon pair**

three elements: sun - moon- stars

1:19-23, 5th day, life-forms: **fish – birds pair**

1:24-31, 6th day, life-forms: **animals - man pair**

**(yet man is in God's image).**



# The Creation Verbs in Genesis 1

God made (**asah**) the firmament, the heavenly bodies, the fish, the birds, the land animals and man

**God separated (*badal*) light and darkness, waters above and waters below, seas and dry land.**

**Dumnezeu placed (*natan*) the heavenly bodies in above the Earth (land) and he placed (put) man to rule the world and keep it.**

God created (**bara**) the fish, the birds, the animal, by his words... he created man by his own action, not only by a mere command... and he breathed Spirit (his Spirit) of life into him...

**How did the world look  
in the 4<sup>th</sup> day?**

# Dry land and seas





# Dry land and seas



# Dry land and seas: the Pangea continent: geology and the Bible do agree



# Dry land, seas and vegetation



# Dry land, seas and vegetation



# Dry land, seas and vegetation



**What happened in the  
4<sup>th</sup> Day?**

## **The 4<sup>th</sup> Day, Genesis 1:14-16**

**14**And God said: Let there be lights made in the firmament of heaven, to divide the day and the night, and let them be for signs, and for seasons, and for days and years:

**15**To shine in the firmament of heaven, and to give light upon the earth. And it was so done.

**16**And God made two great lights: a greater light to rule the day; and a lesser light to rule the night: and the stars.

## **The 4<sup>th</sup> Day, Genesis 1:17-19**

**17 And he set them in the firmament of heaven to shine upon the earth.**

**18 And to rule the day and the night, and to divide the light and the darkness. And God saw that it was good.**

**19 And the evening and morning were the fourth day.**



# Questions about light

**Can there be light without a radiant body / source, like stars or electrical bulbs, or fire?**

**Why it is said that God is light?**

**Light is electro-magnetic radiation or wave, or it is made of particles, or it is also a media for transporting information?**

# Questions about lights:



# Check the Symbol of light in the Bible

John 8: 12. Jesus – light of the world...

John 1:4. Jesus, the true light of people

James 1:17, ... God, the father of light (lights...)

# Check the Symbol of light in the Bible

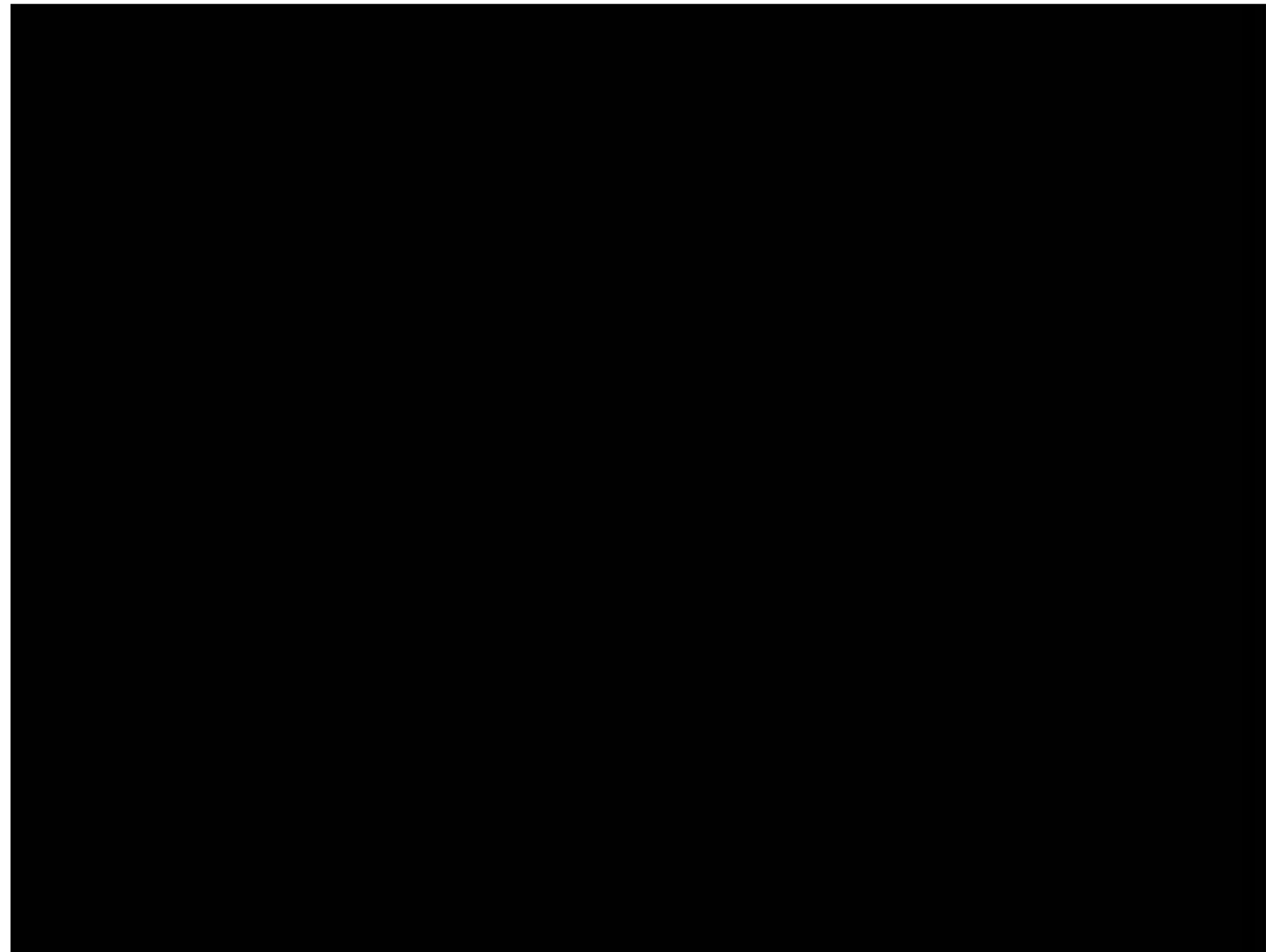
Ephesians 5:8. we are lights in the world,  
because of the Lord...

Psa. 36:9. We see light, through God's  
light...

# Check the Symbol of light in the Bible

1 Tim 6. 14. God.... The only immortal one,  
who dwells in a light no one cannot get  
near...

**Light is a media that can carry information – in cables or as laser holograms...**



**A picture one probably could see in the first three days:**



**A picture like this could be seen only in the 4<sup>th</sup> day... why?**

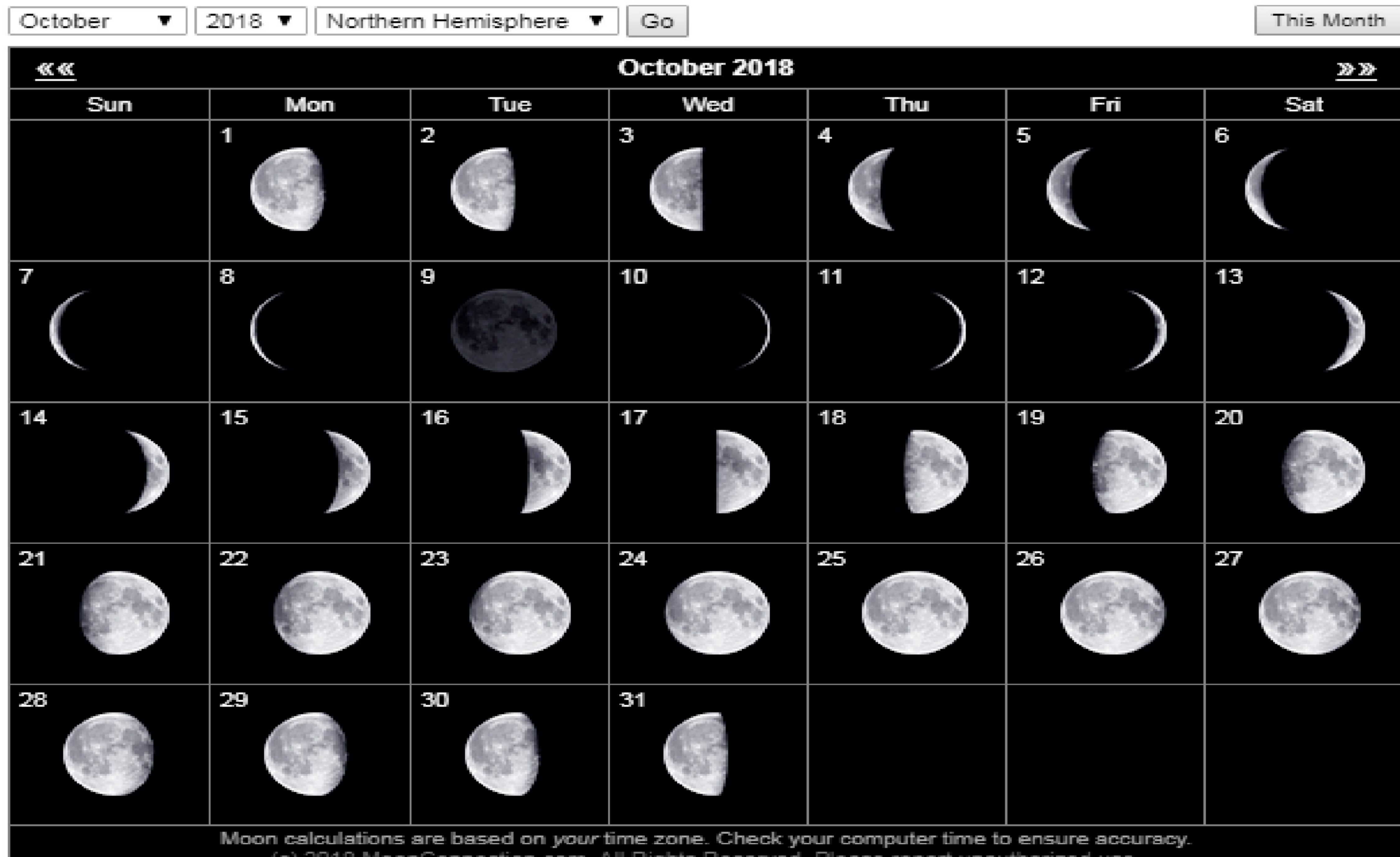




The 4<sup>th</sup> day...



# The Moon and Earth cycles: 24 h, 28 days, 365 zile...

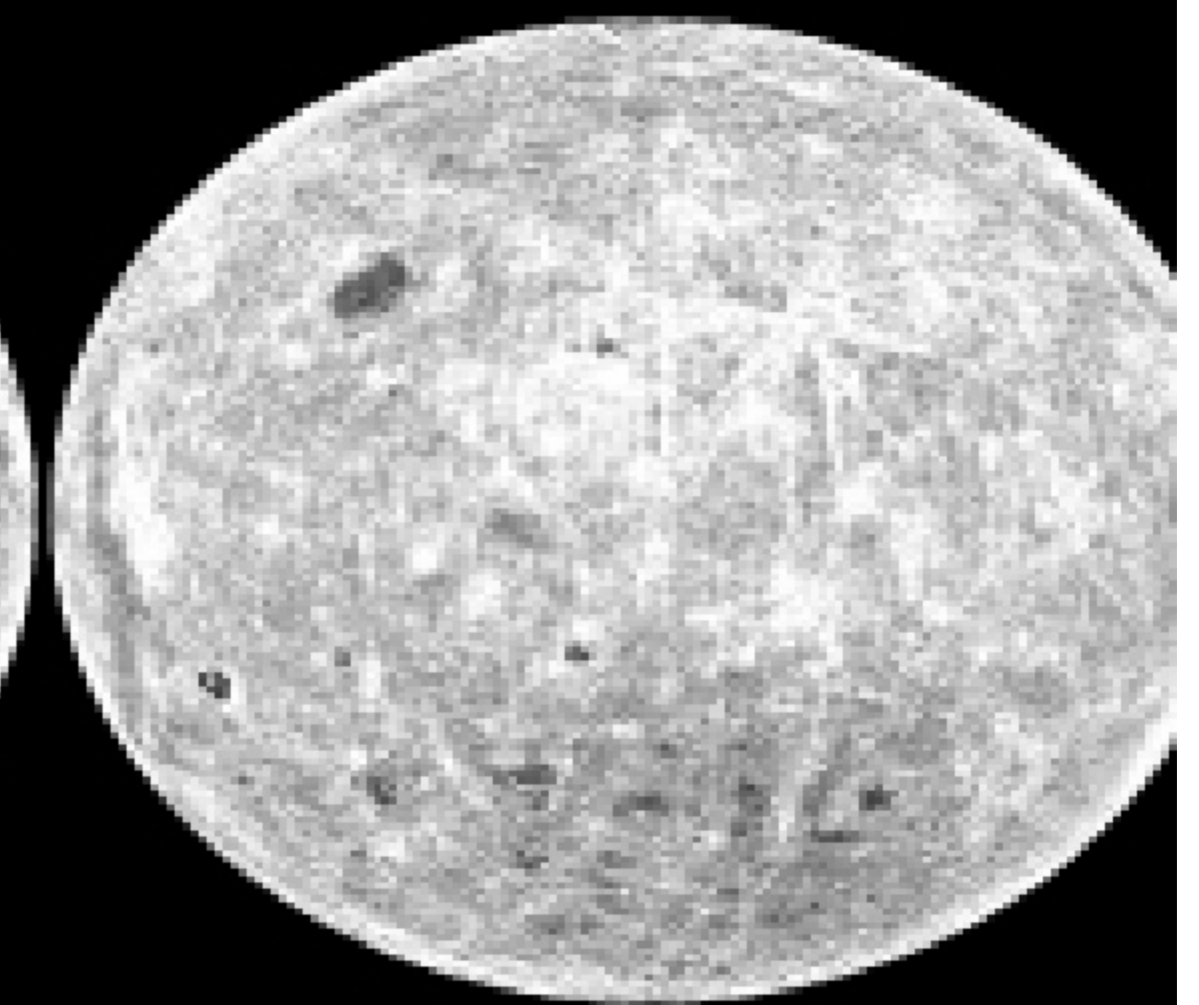


# The moon's endless dance

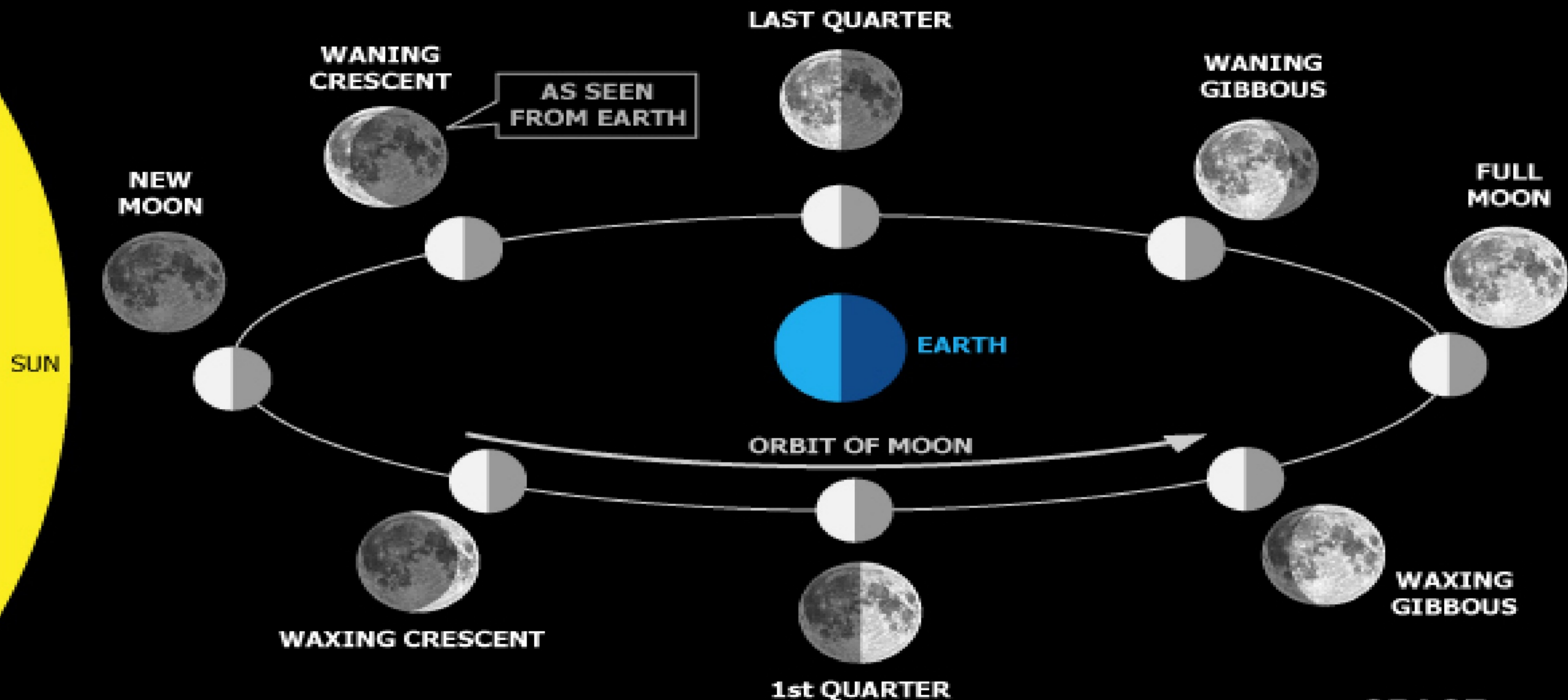
As the Earth and moon orbit the sun together, the pattern of day and night on the lunar surface constantly changes. We refer to the percentage of illumination on the visible face of the moon as the moon's "phase." There are 8 major named phases that have been known throughout human history.



MOON'S "NEAR" SIDE,  
VISIBLE FROM EARTH



MOON'S "FAR" SIDE,  
HIDDEN FROM EARTH



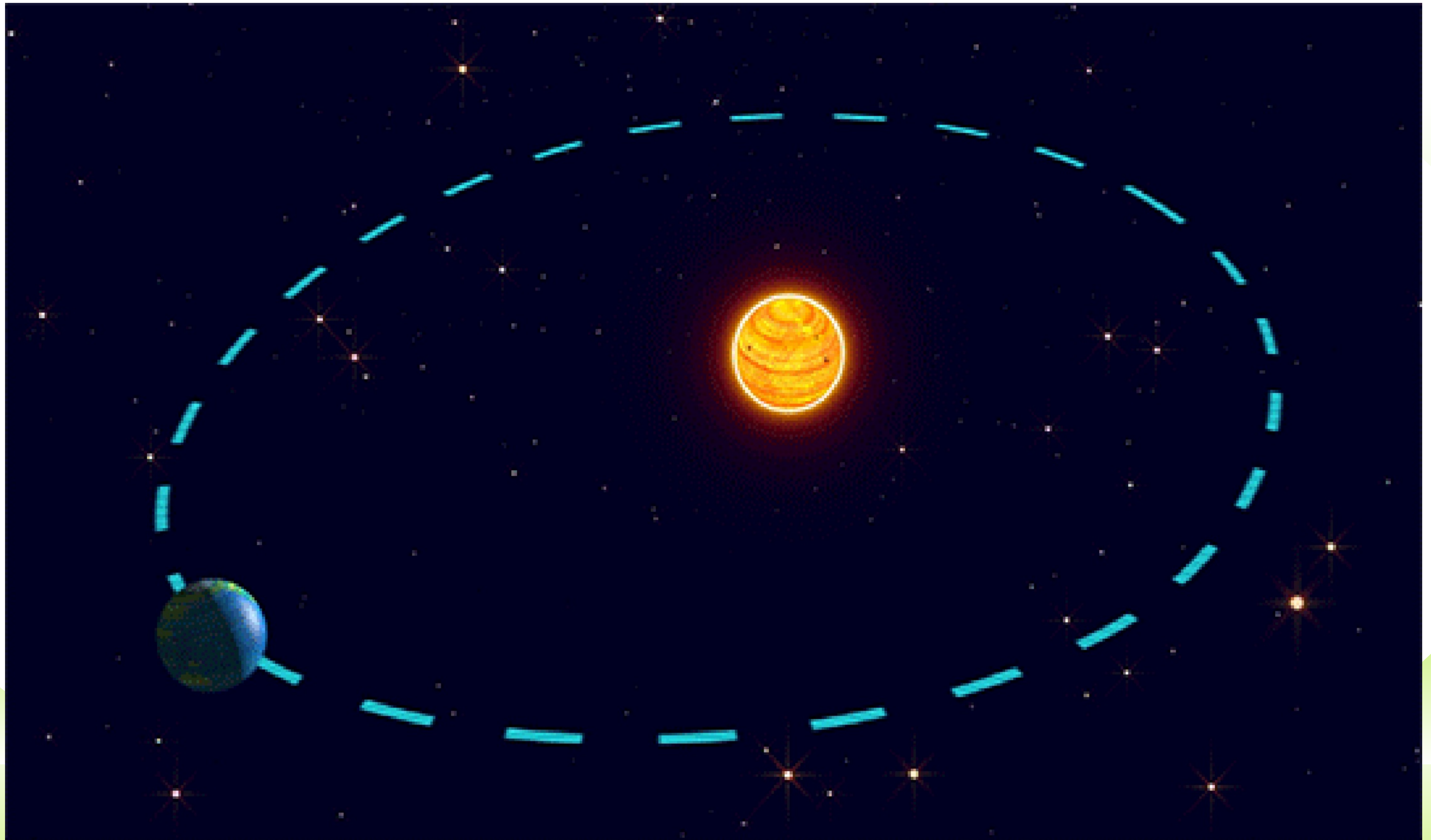
esa



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Days

**Earth's rotation around the Sun, allows for the alternation of seasons during every year ...**



# Galaxies...



# The Milky Way



# The Milky Way





# The Milky Way



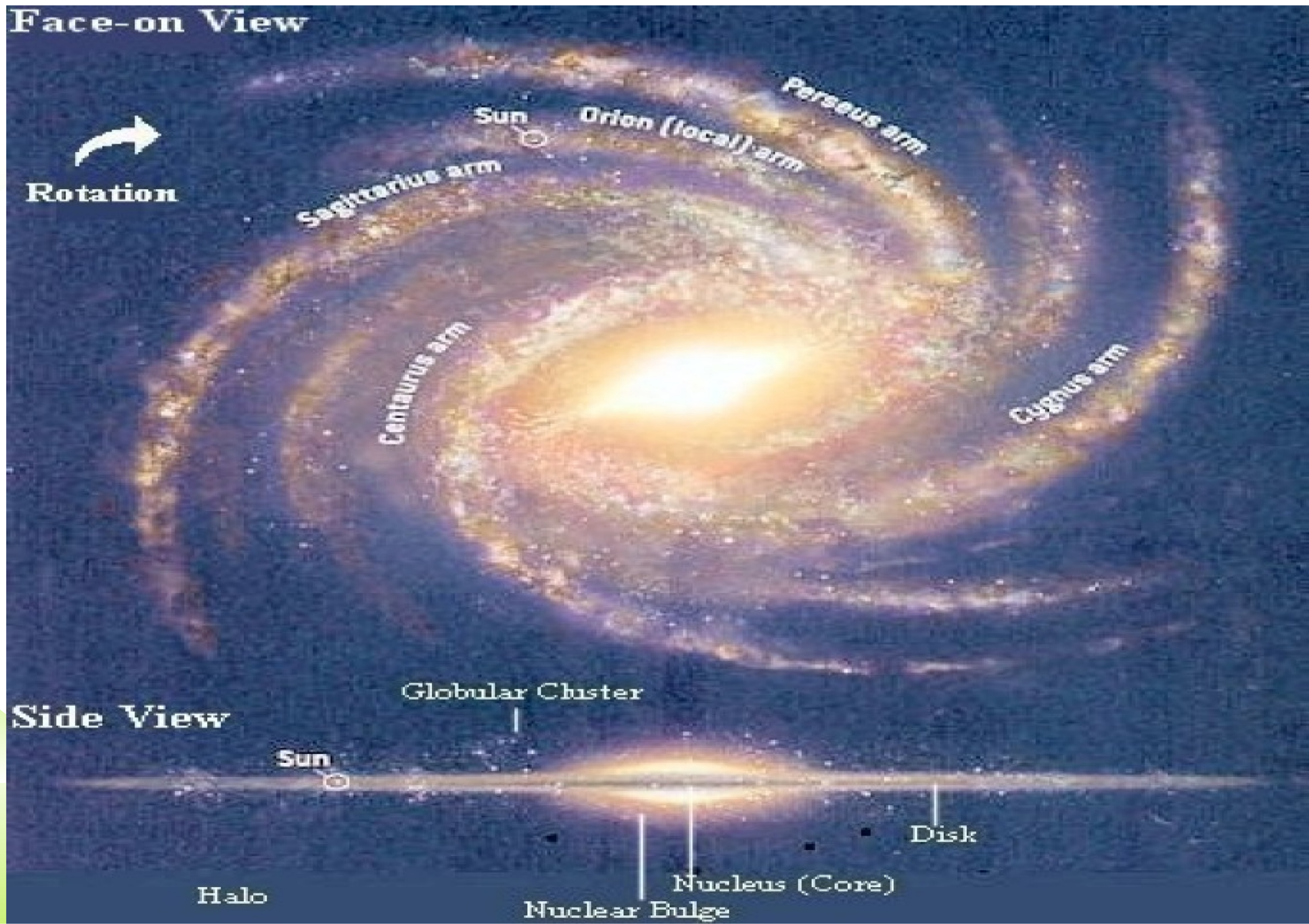
# The Milky Way



# The Milky Way



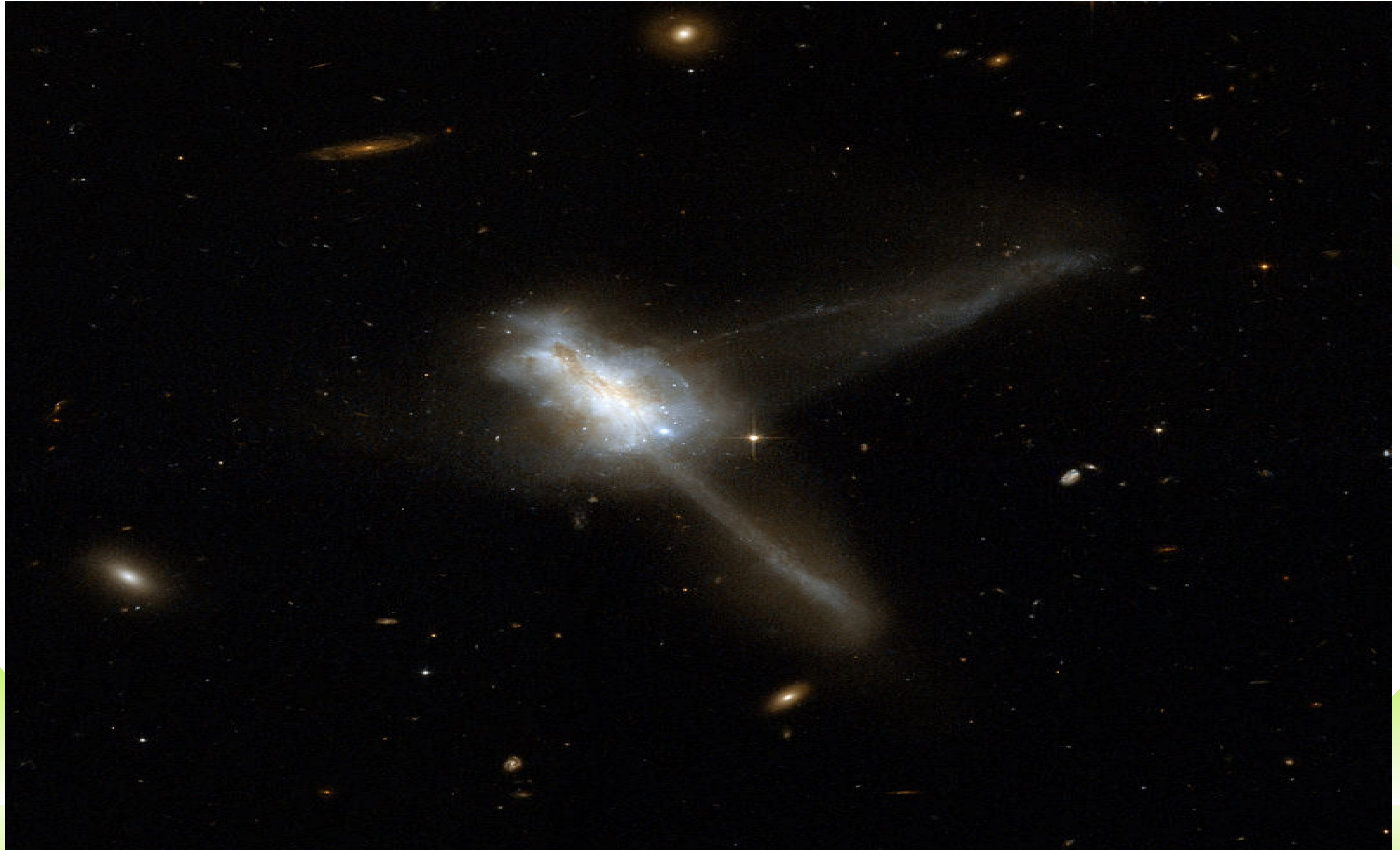
# The Milky Way... a big spiral.



# Other spirals....



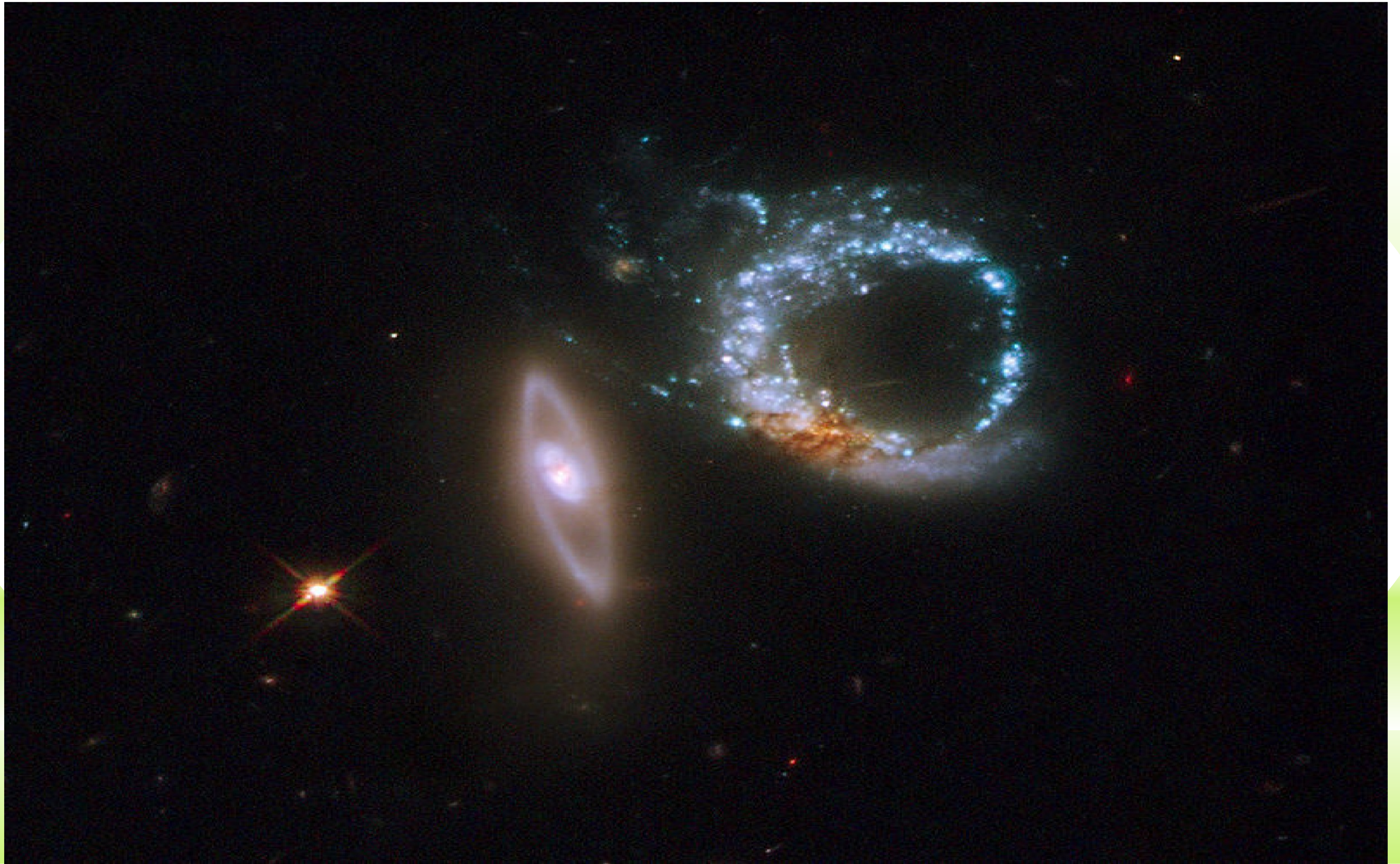
# Other galaxies...



# Other galaxies...

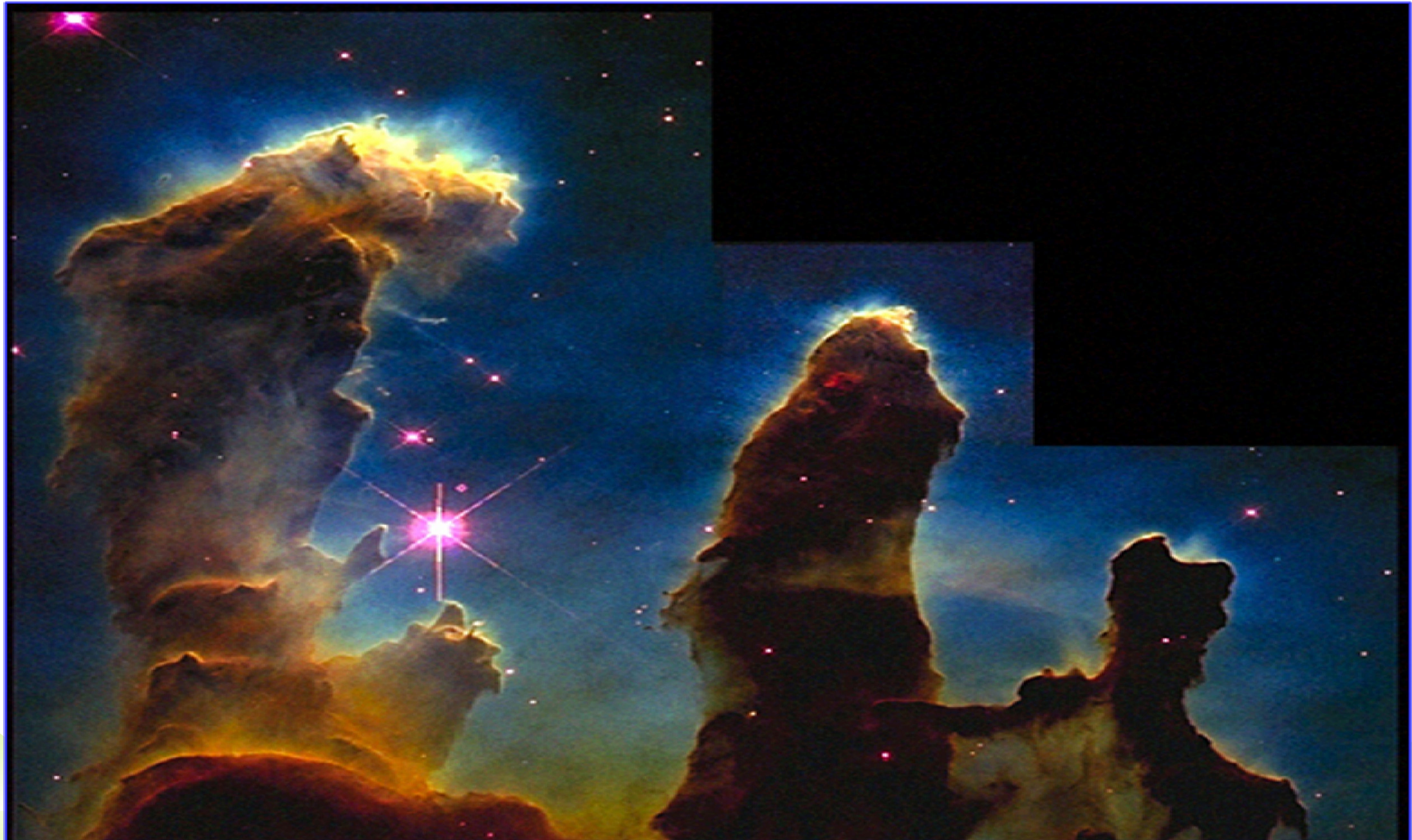


# Other galaxies...





# Other galaxies...



# Other galaxies...



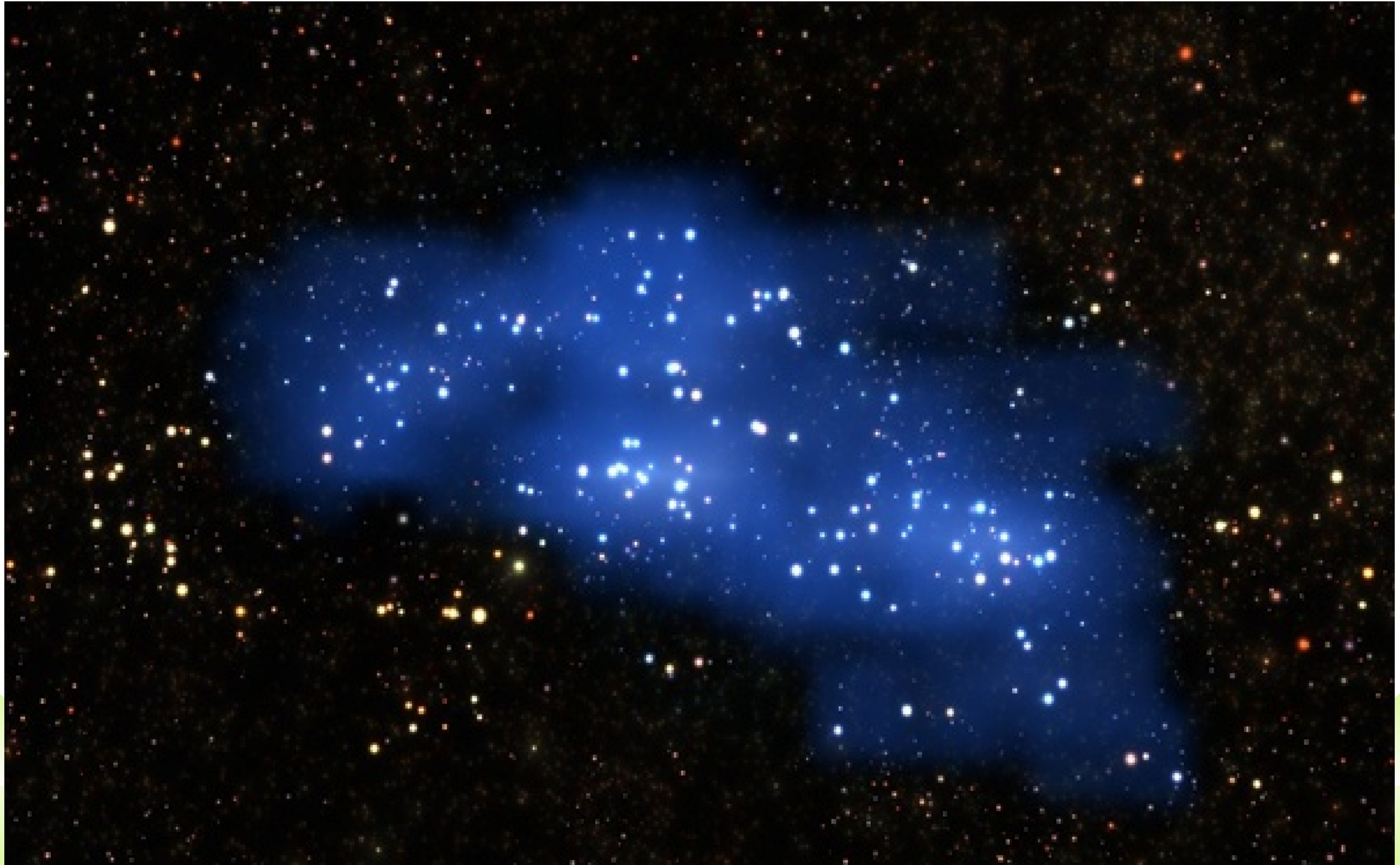
# Other galaxies...



# Other galaxies...



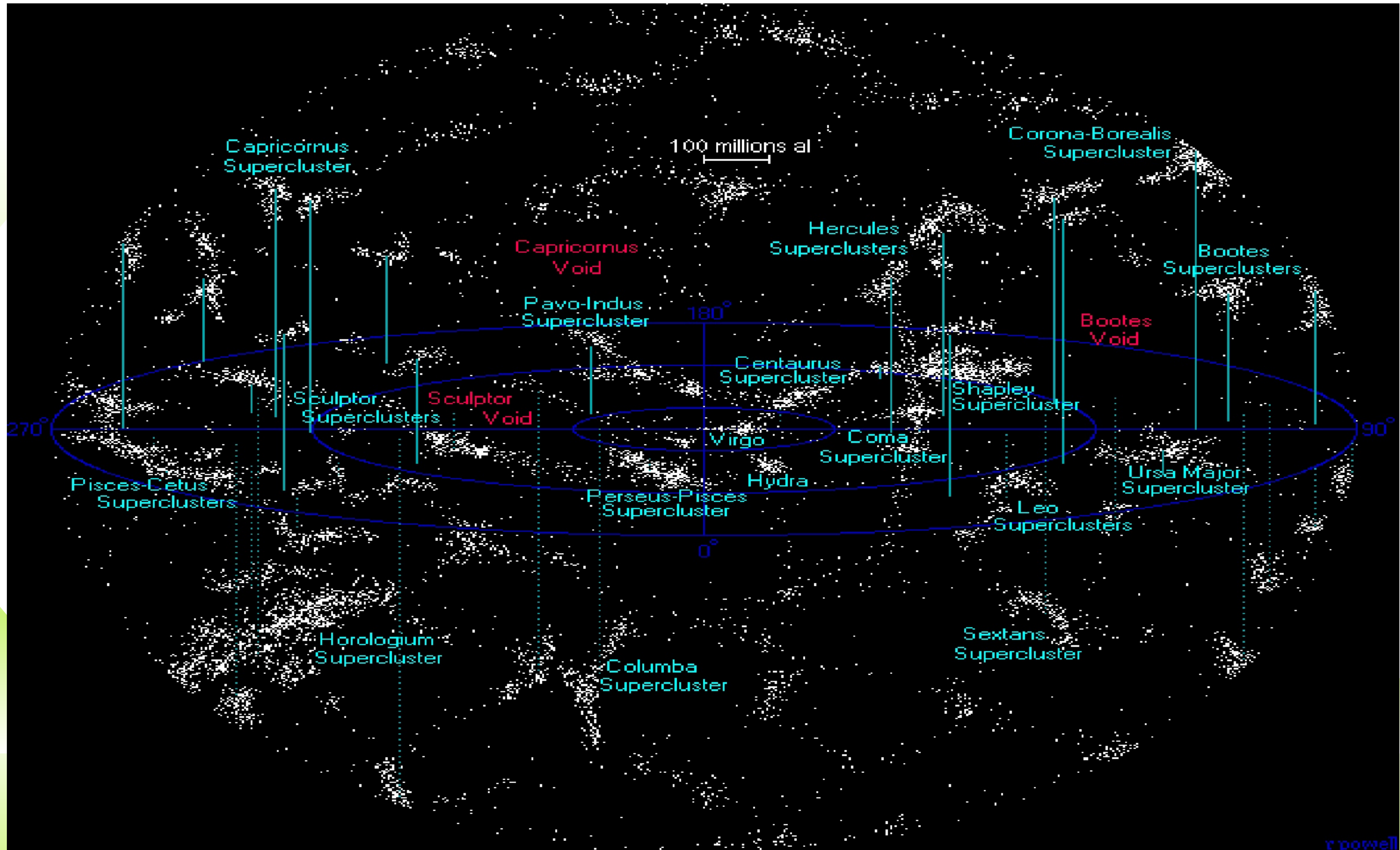
# Clusters of galaxies... galactic clusters or clouds...



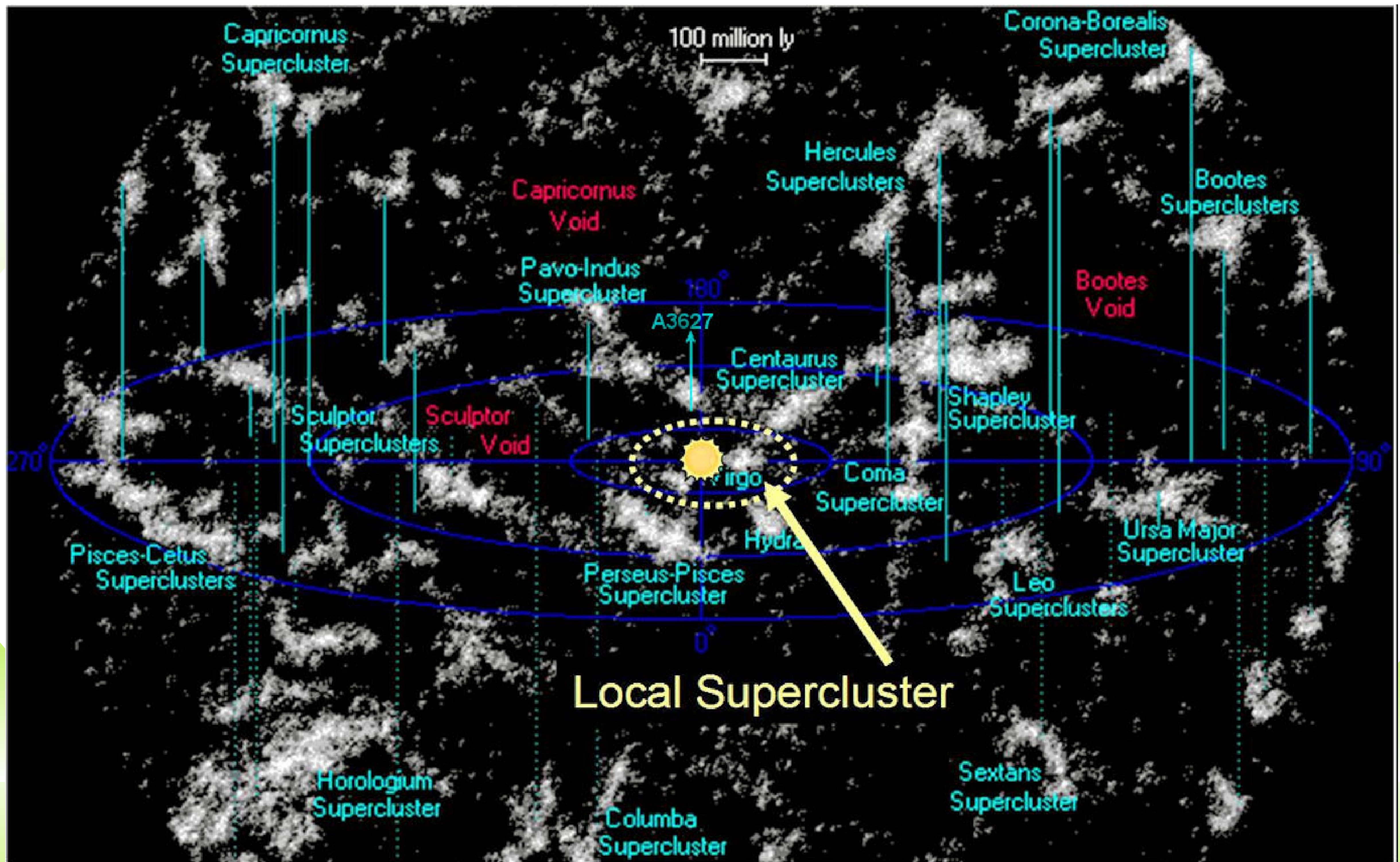
# Clusters of galaxies... galactic clusters or clouds...



# Groups of galactic clusters...

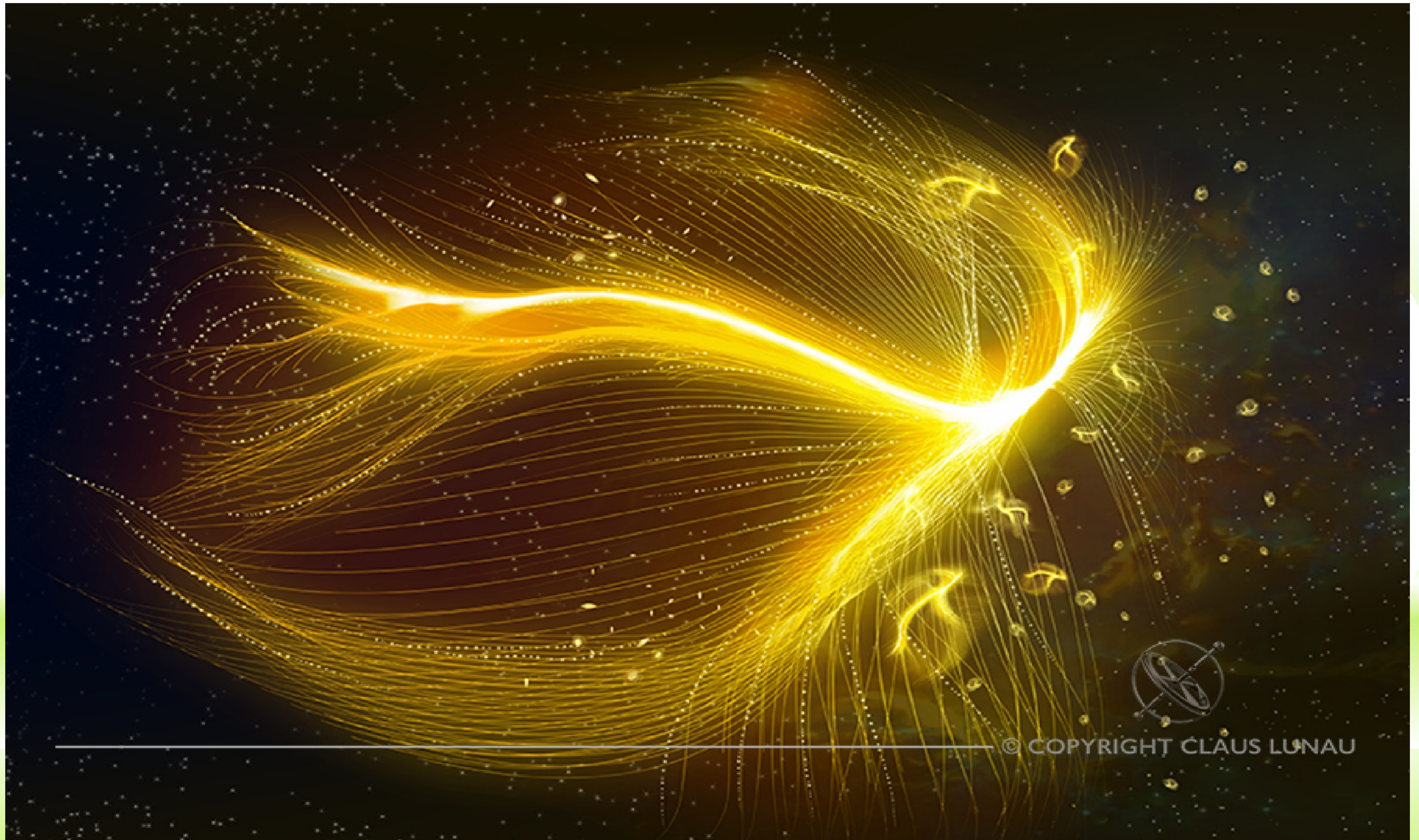


# Groups of groups of galactic clusters, called super-clusters...



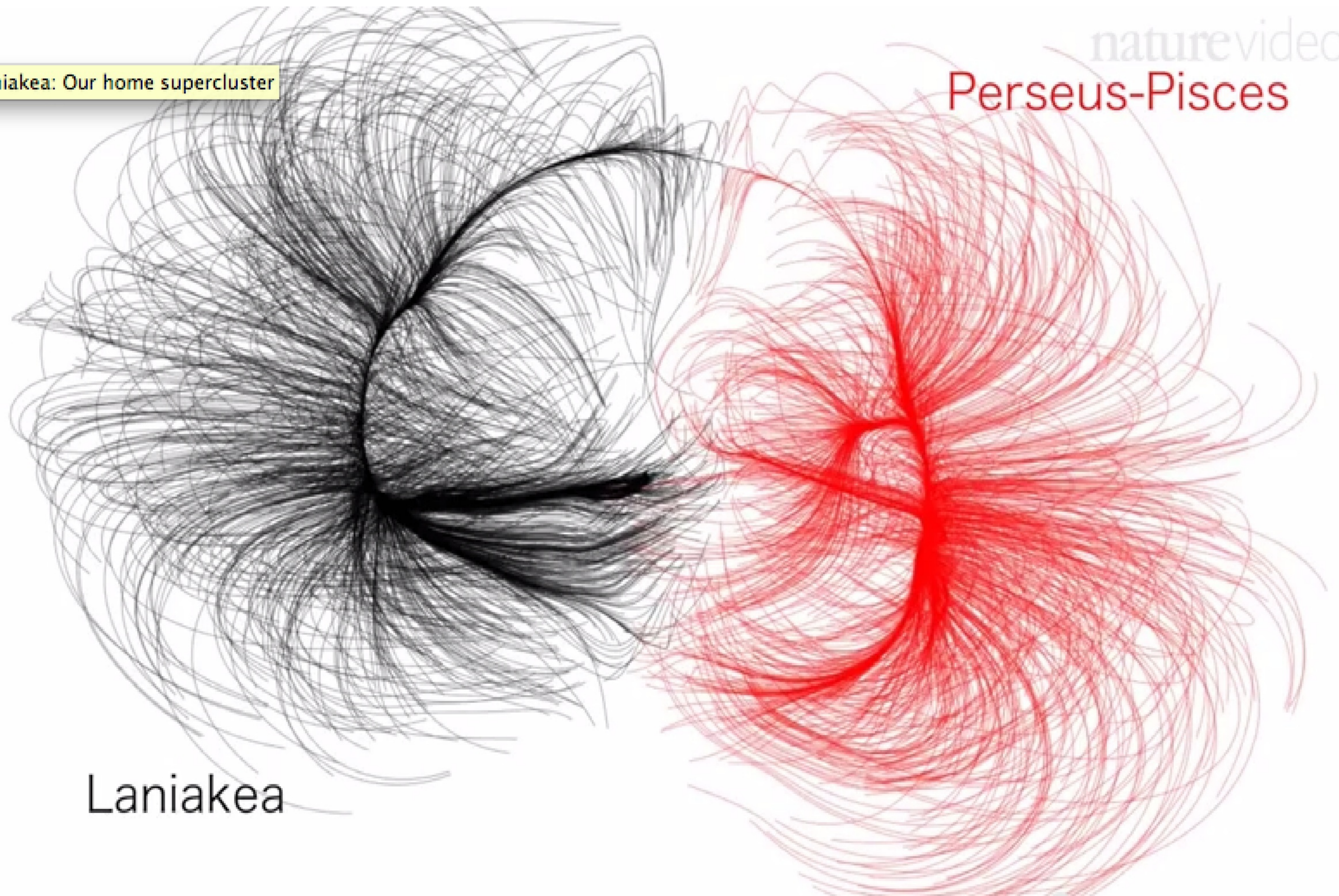


# The Laniakea super-cluster, where the Milky Way is found...

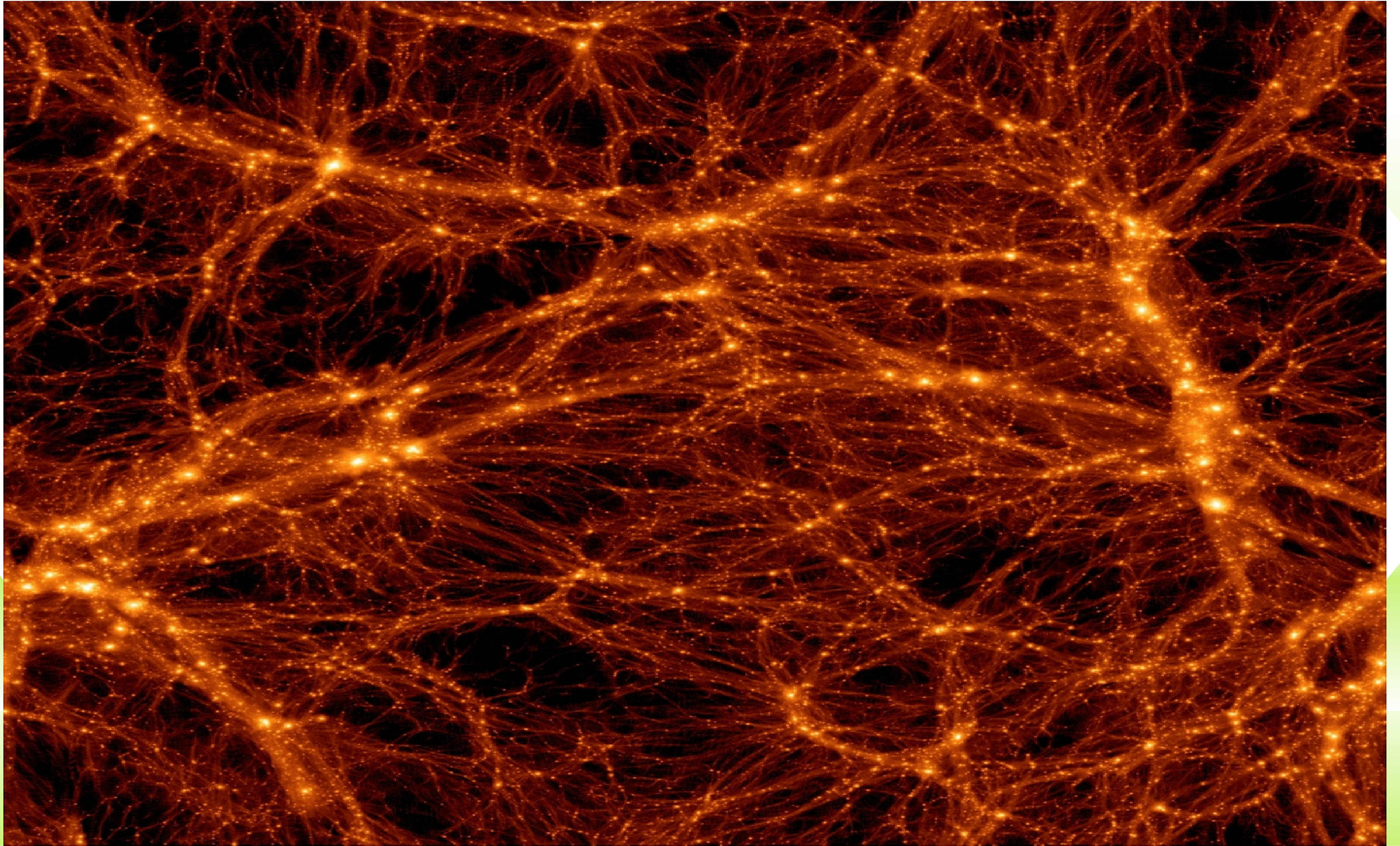


# Two neighbouring super-clusters, Laniakea and Perseus-Pisces

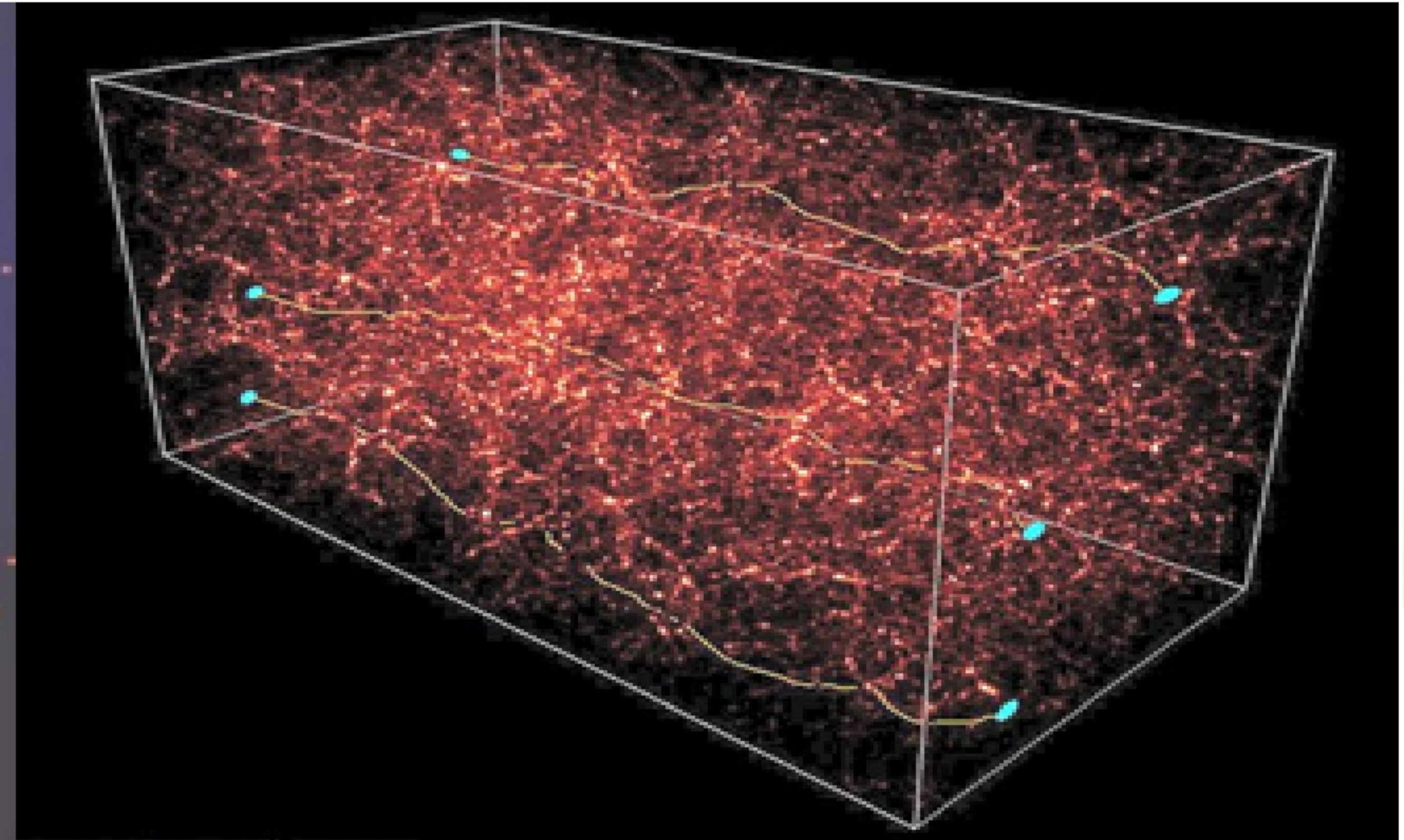
Laniakea: Our home supercluster



**Super – clusters are linked in networks of super-clusters...**



*The super-clusters network is very complex...*



Musket Ball galaxies outrun dark matter

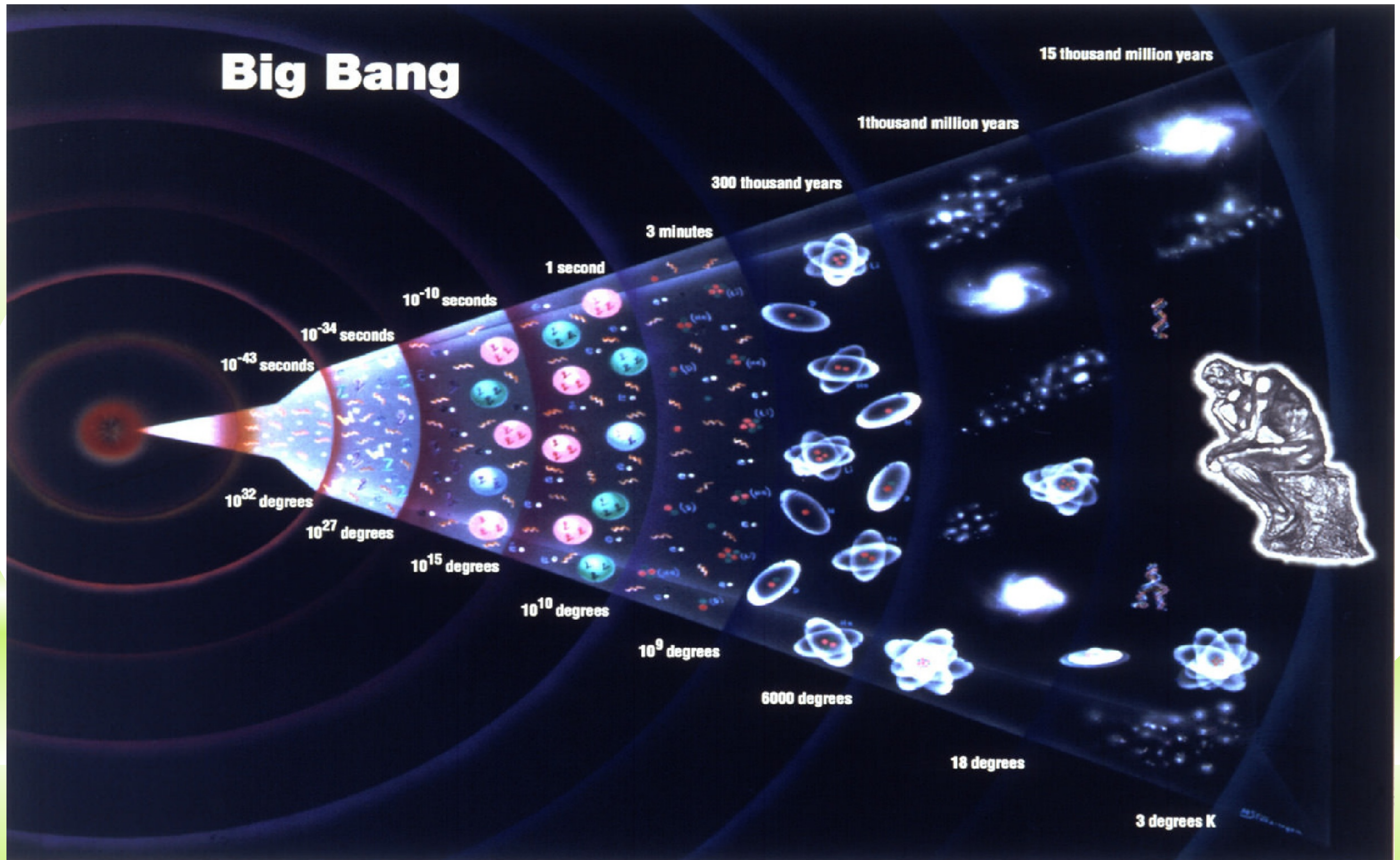
# Did it all start with a Big-Bang ?...



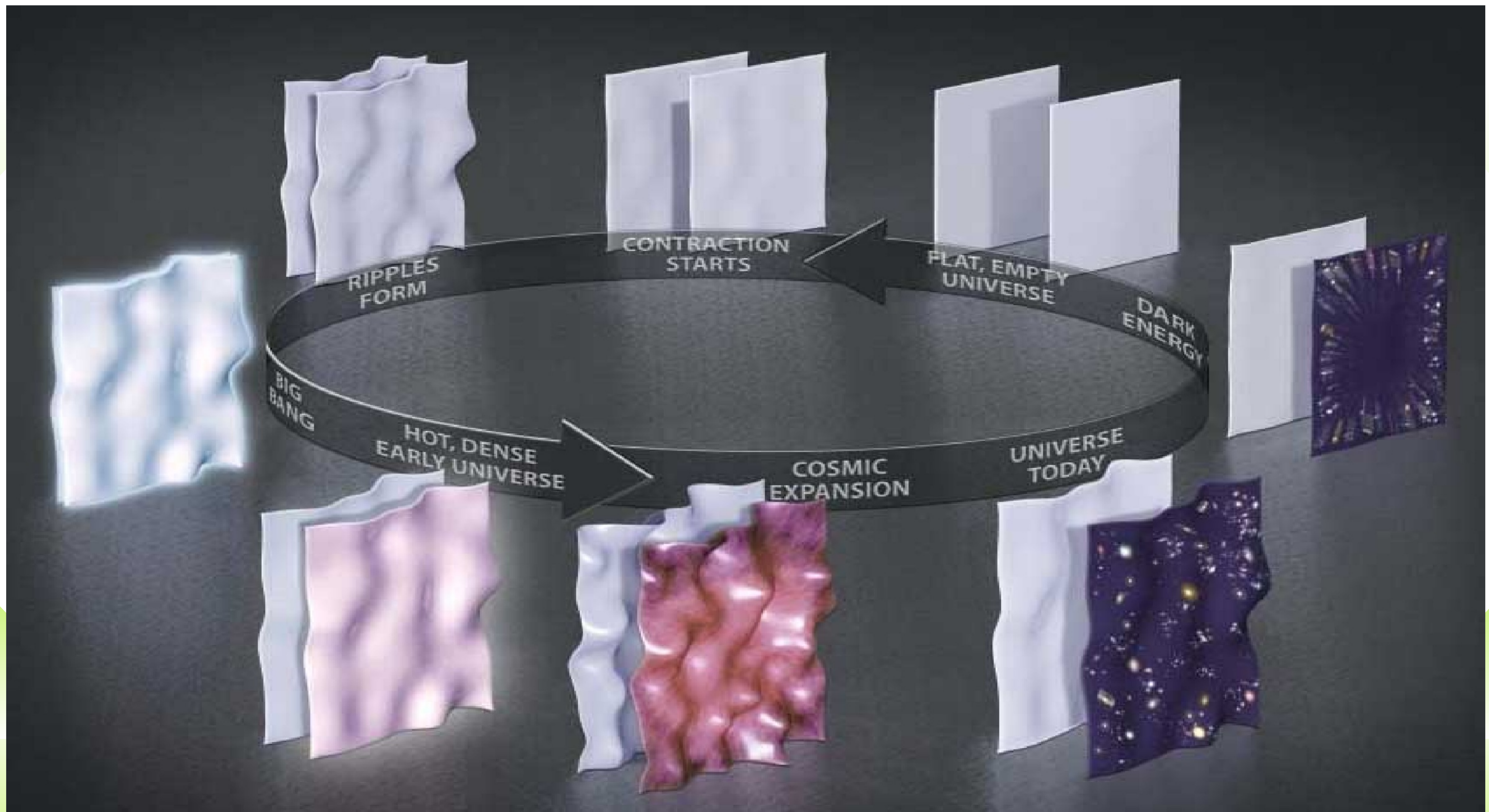
**Did it all start with a Big-Bang ?...**



# Did it all start with a Big-Bang ?...



**Is the universe, actually a Pluri-Verse, or Multi-Verse made of several universes...? How are they interacting?**





*One theory argues there are multiverses  
interacting like sheets of verses... of universes...*



# Psalm.104

**1 Let every part of me praise the Lord! Lord my God, you are so great, clothed with majesty and splendor!**

**2 You wear light as your clothing; you stretch out the fabric of the heavens.**

**3 You place the roof-beams of your house in the rainclouds. You make the clouds your chariots. You ride on the wings of the wind.**

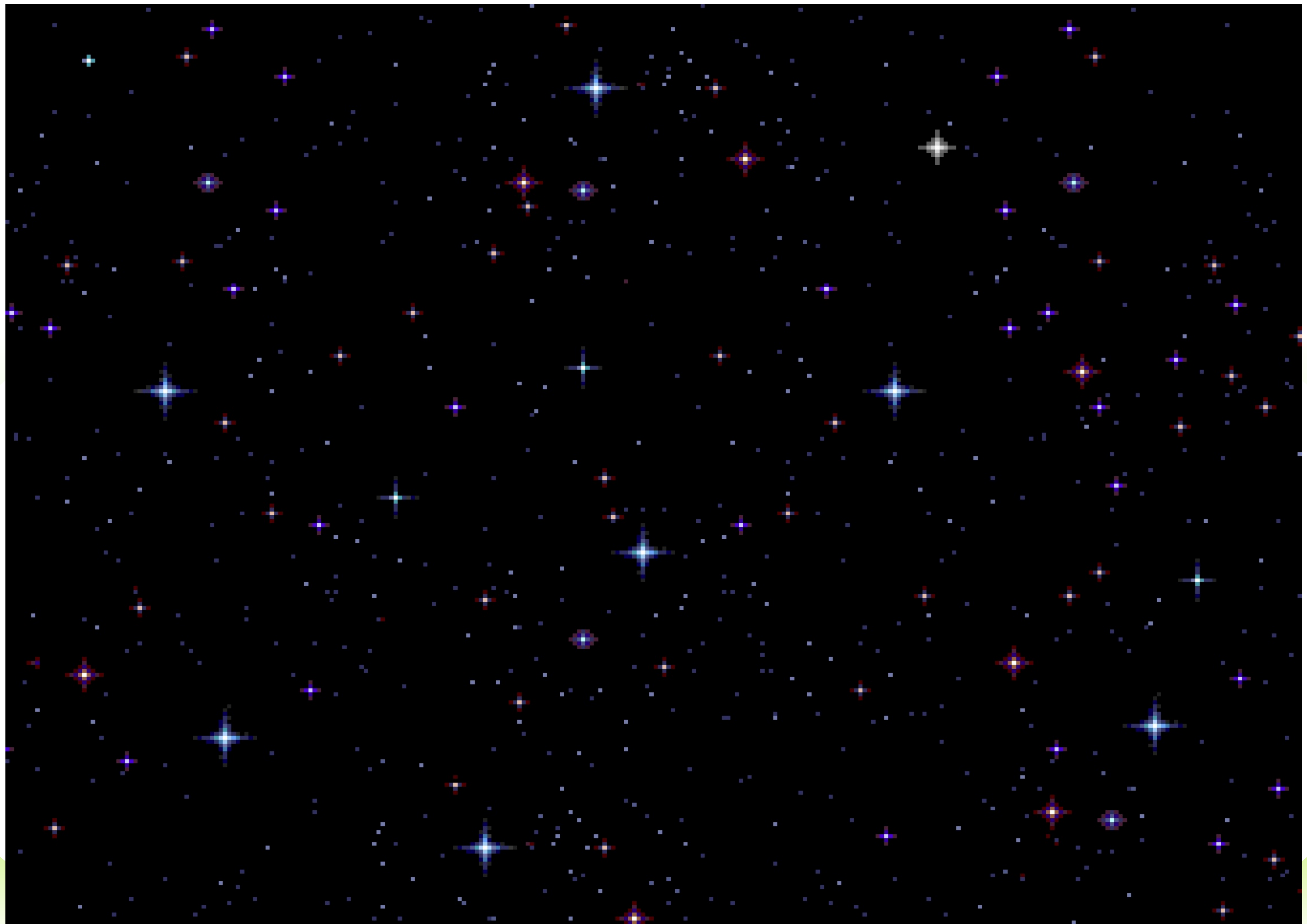
**4 You make your angels winds, and your servants flames of fire.**

## **Revelation 6.**

**12**When he opened the sixth seal there was a tremendous earthquake. The sun turned black like hair sackcloth and the whole moon turned red like blood.

**13**The stars of heaven fell to earth like unripe figs falling from a fig tree shaken by a windstorm.

**14**The sky disappeared like a scroll rolling up, and all the mountains and islands were moved from where they were.



# ZODIAC



PISCES



AQUARIUS



CAPRICORN



SAGITTARIUS



ARIES



TAURUS



GEMINI



VIRGO



SCORPIO



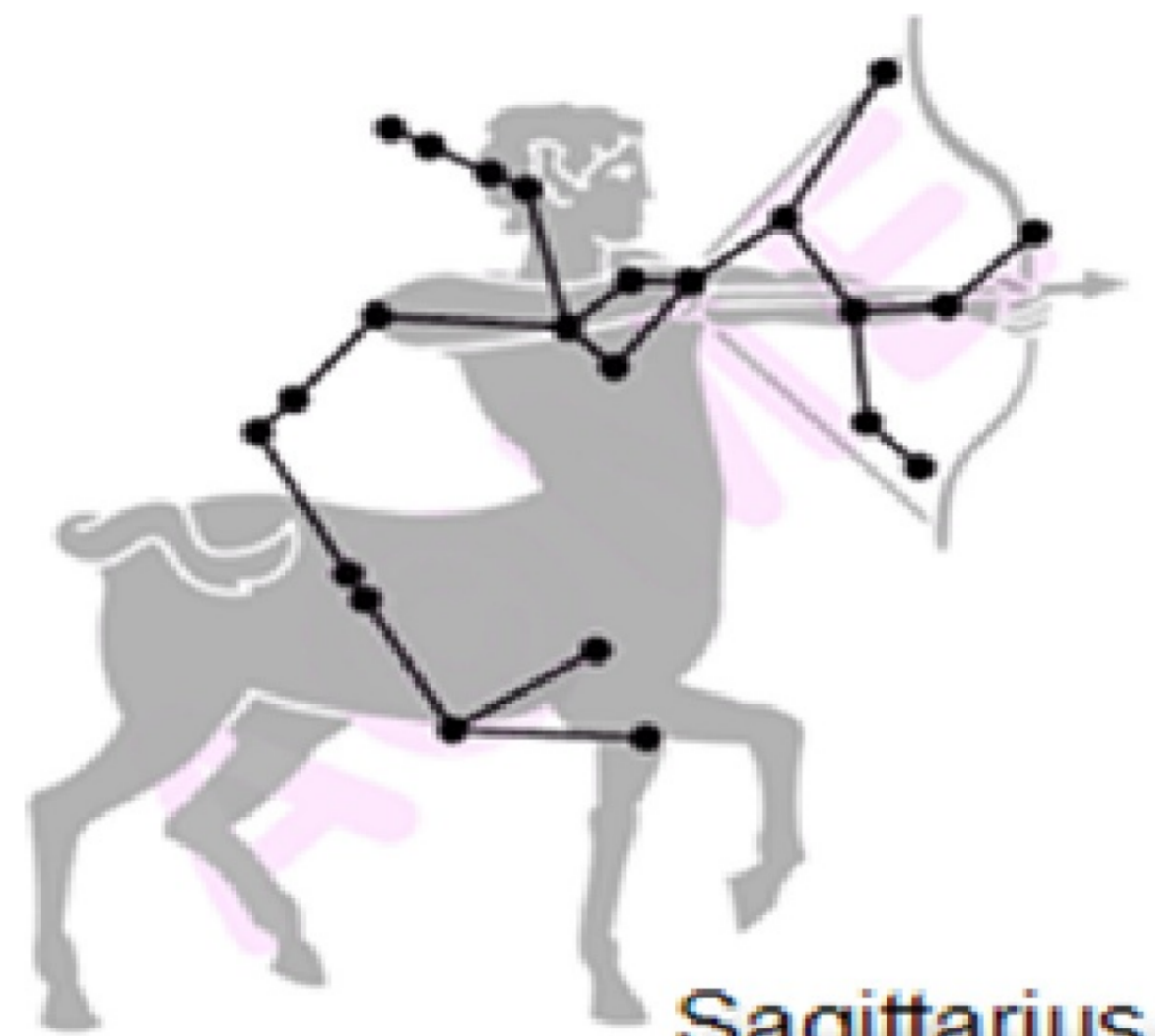
LIBRA



LEO



CANCER



Sagittarius



Taurus



Gemini



Cancer



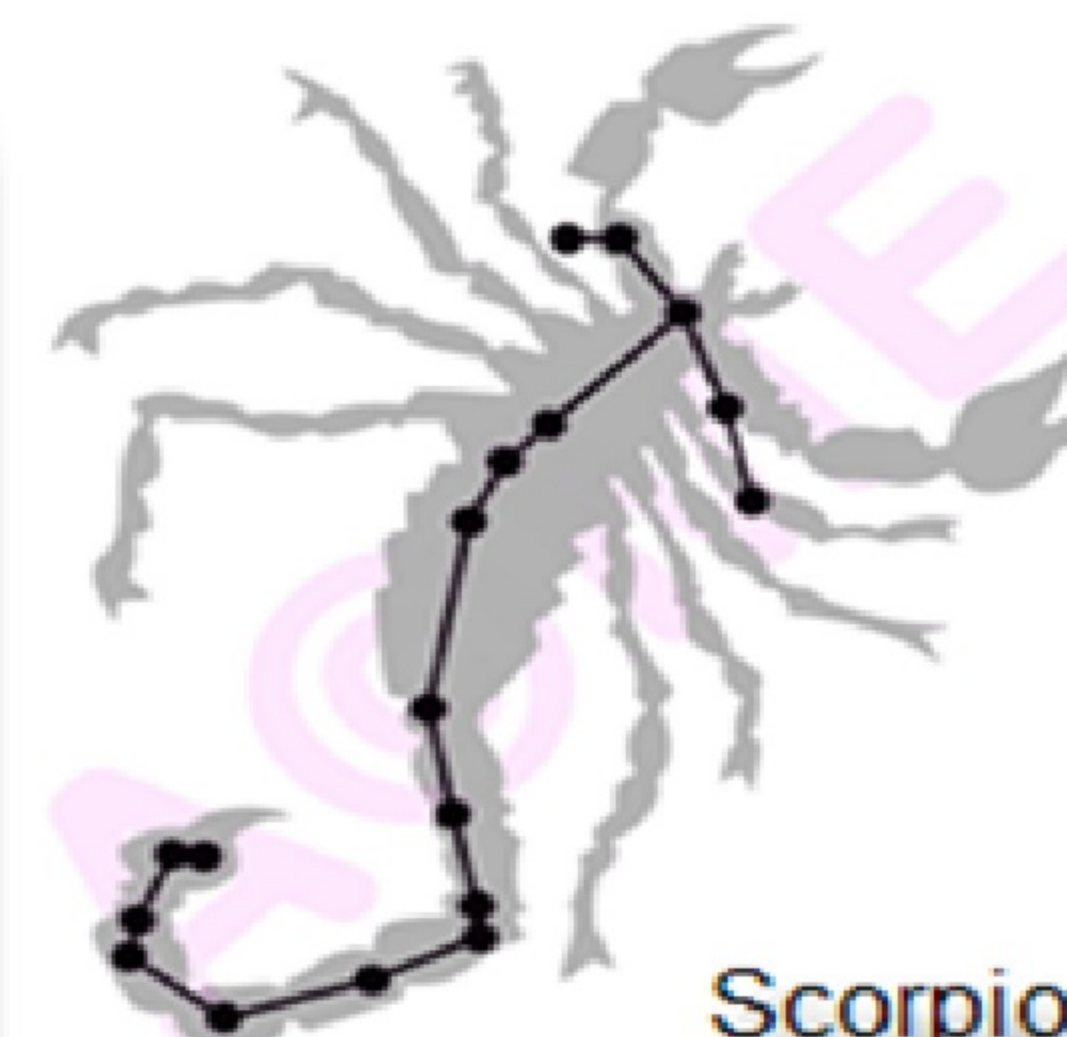
Leo



Virgo



Libra



Scorpio



Aries



Capricorn



Aquarius



Pisces



## **JOB 38:31-36**

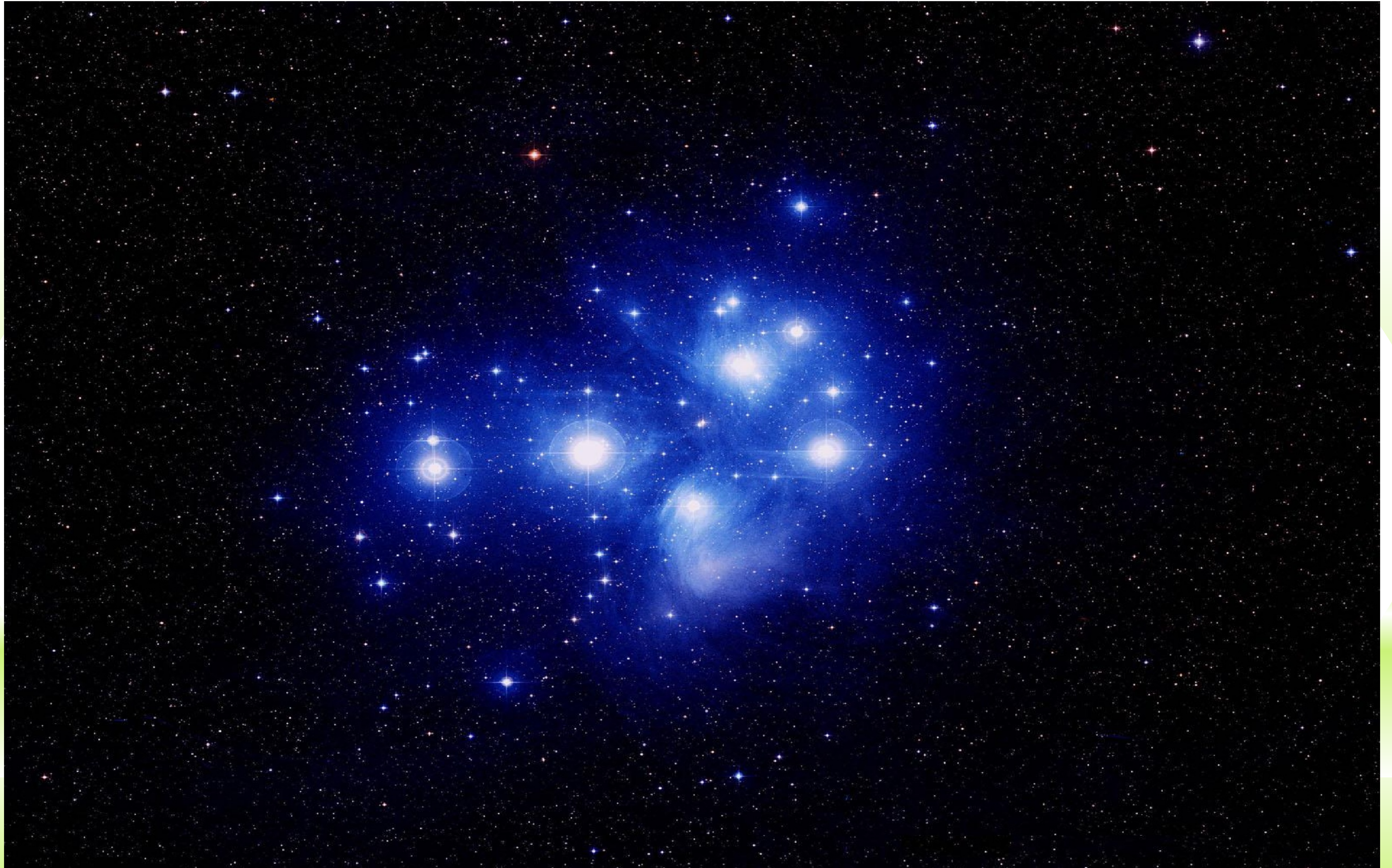
31 Can you tie together the stars of the Pleiades? Can you loosen the belt of the Orion constellation?

32 Can you guide the stars of Mazzarothk at the right time? Can you direct the Great Bear constellation and its other stars?

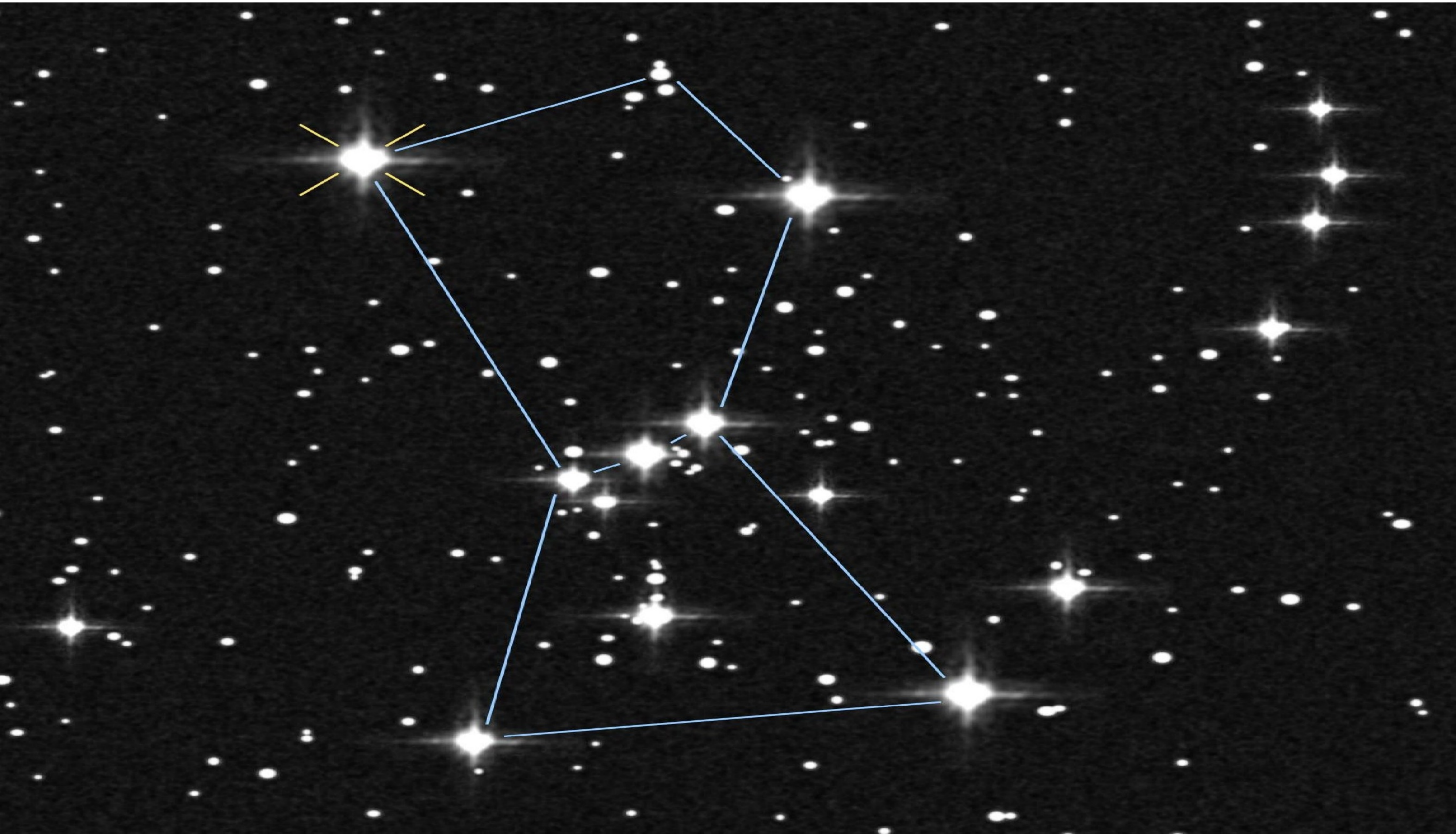
33 Do you know the laws of the heavens?  
I Can you apply them to the earth?



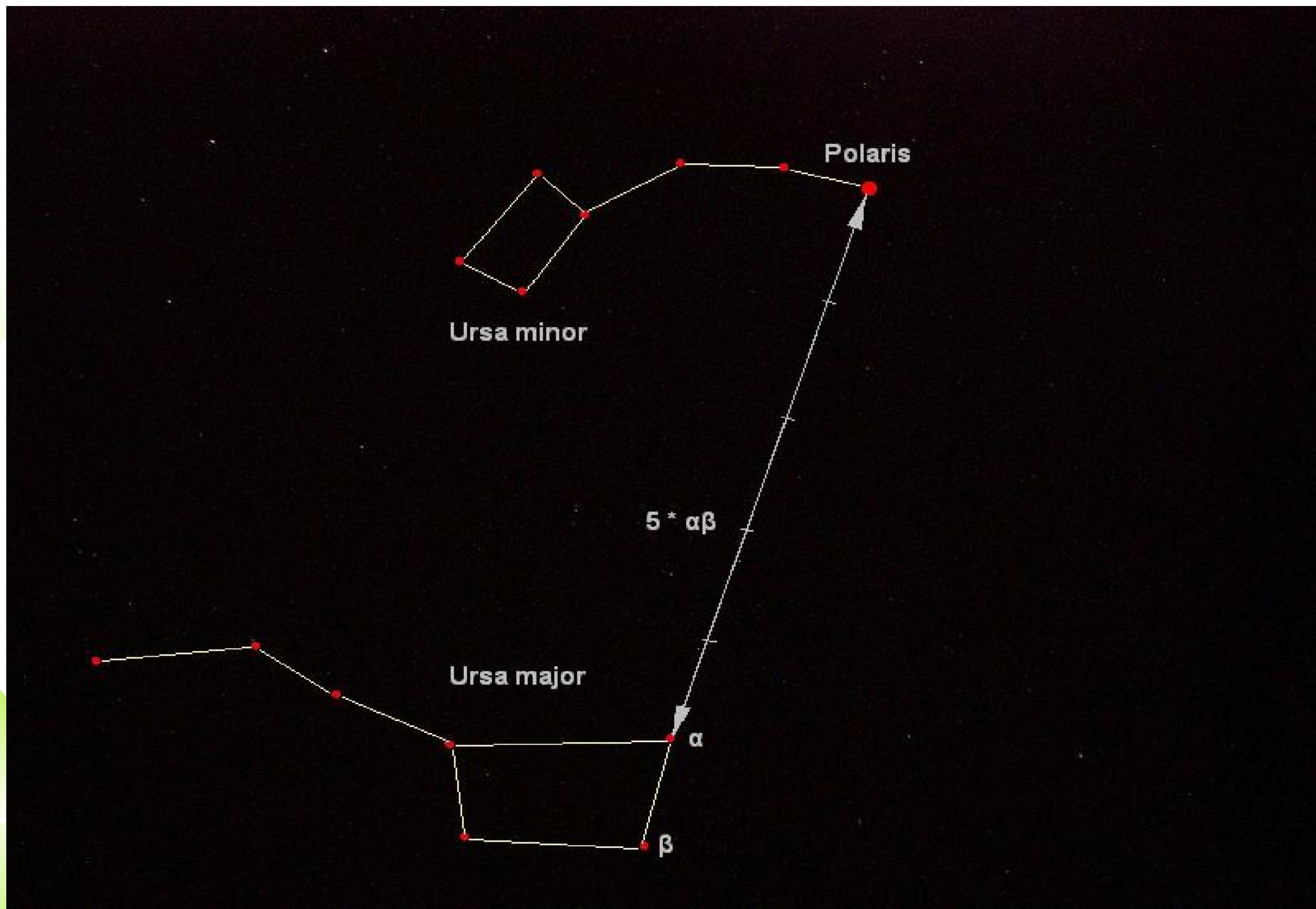
# JOB 38:31-36, Pleiades



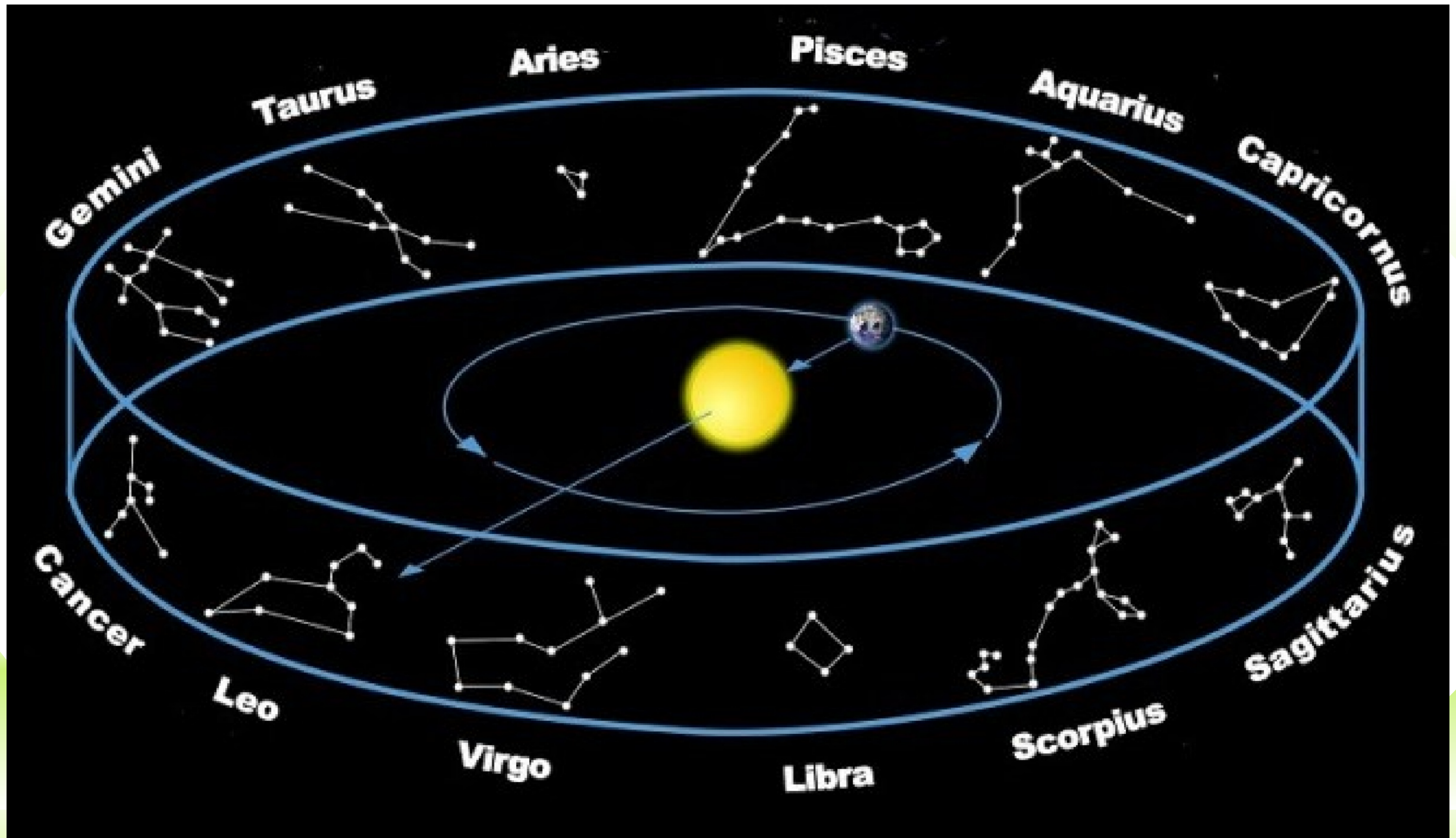
# Belt of Orion 38:31-36



# The Great Bear, JOB 38:31-36

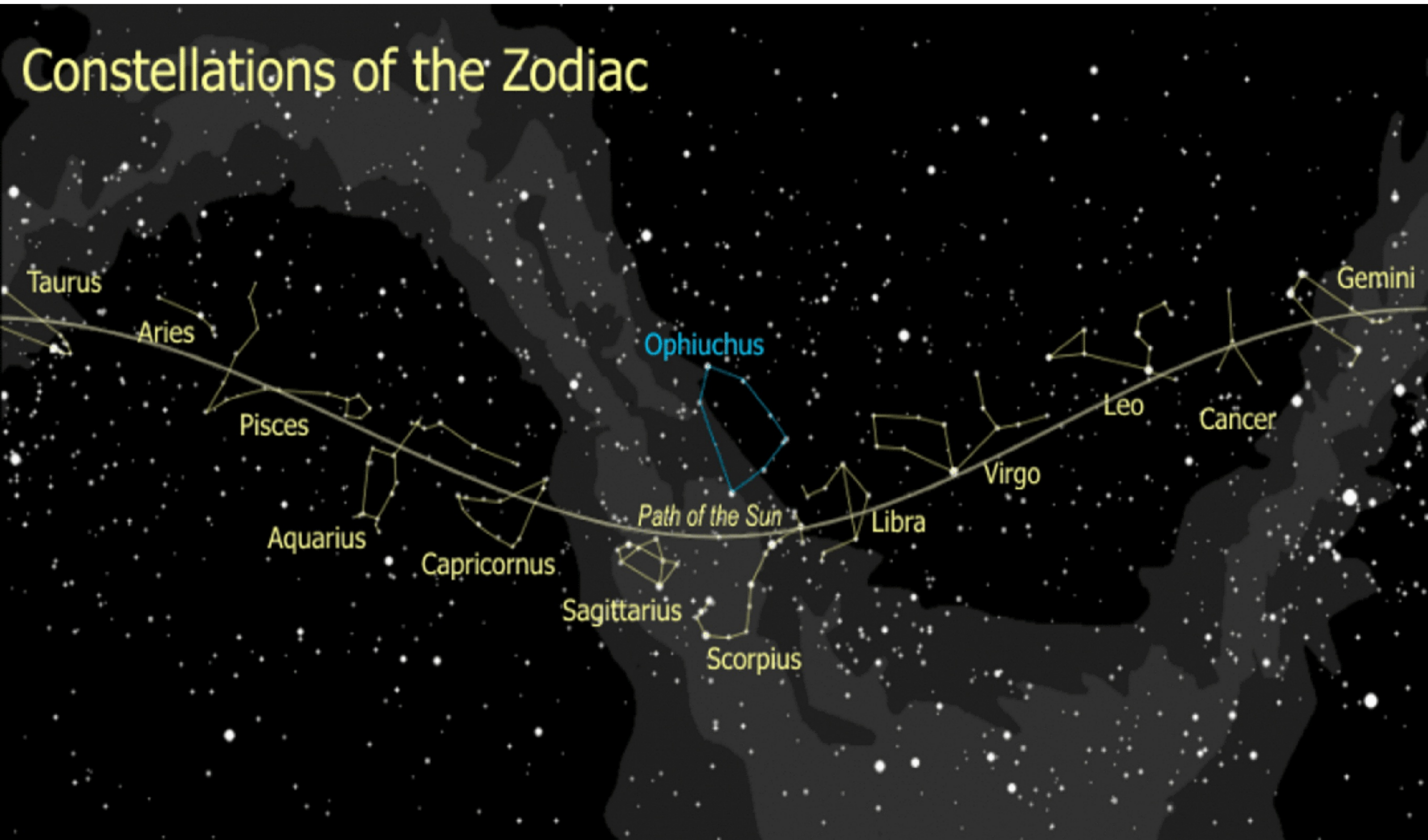


# How is Earth `travelling` through the `houses` of the constellations...



# How is the Sun `travelling` through the `houses` of the constelations...

## Constellations of the Zodiac



# The Bethlehem Star... was it a Star?

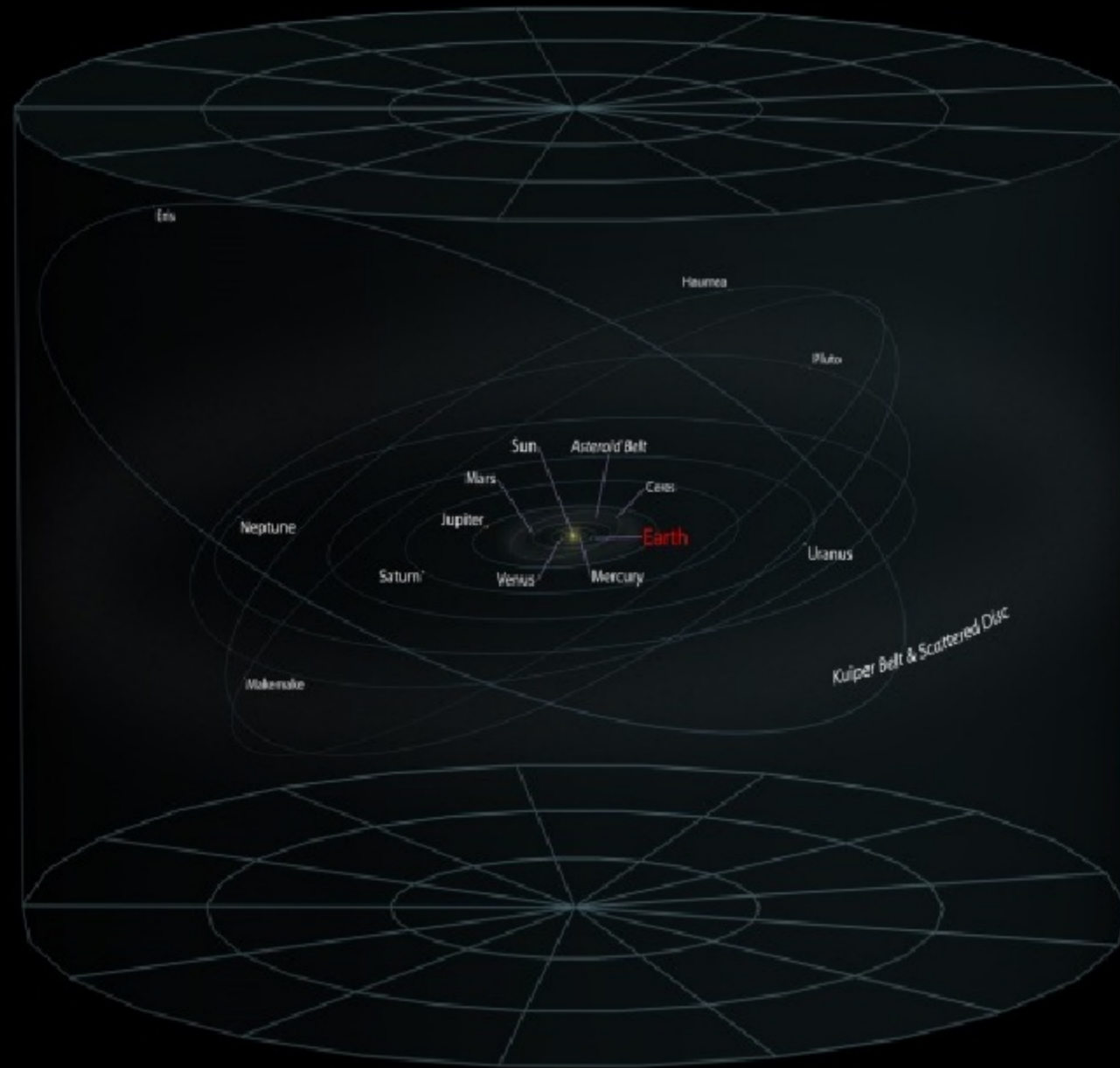


# Your real address...

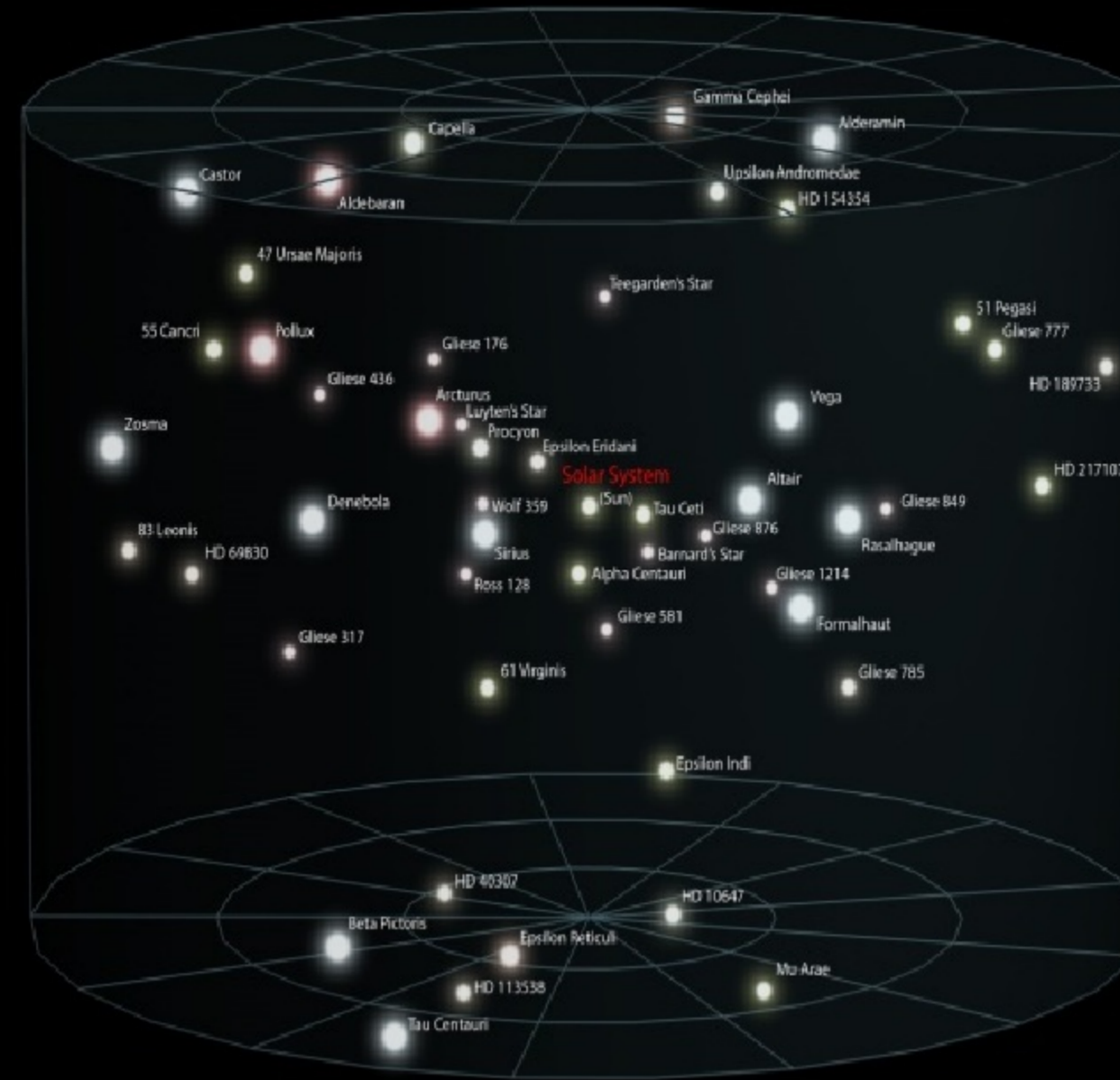
EARTH



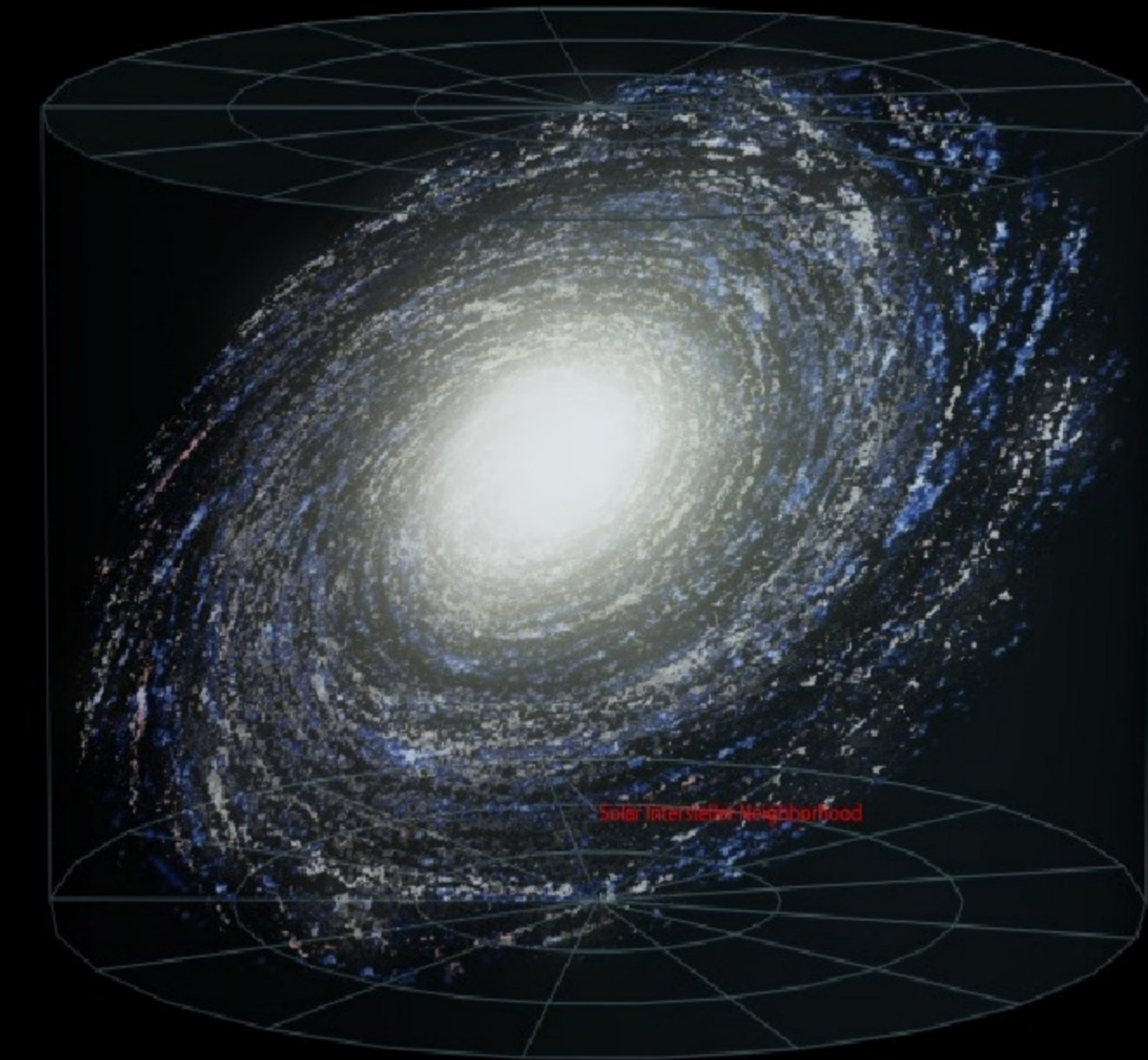
SOLAR SYSTEM



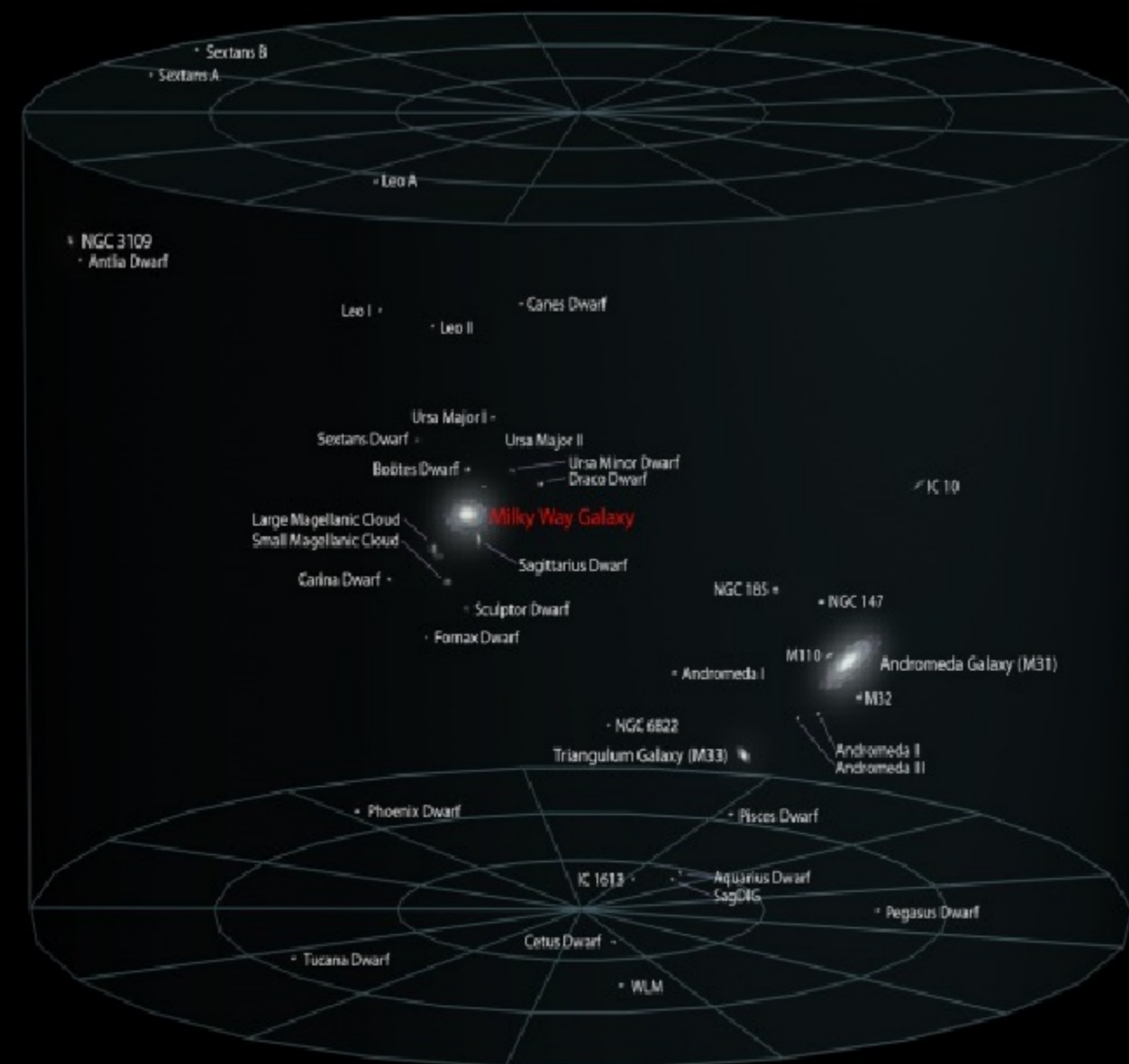
INTERSTELLAR NEIGHBORHOOD



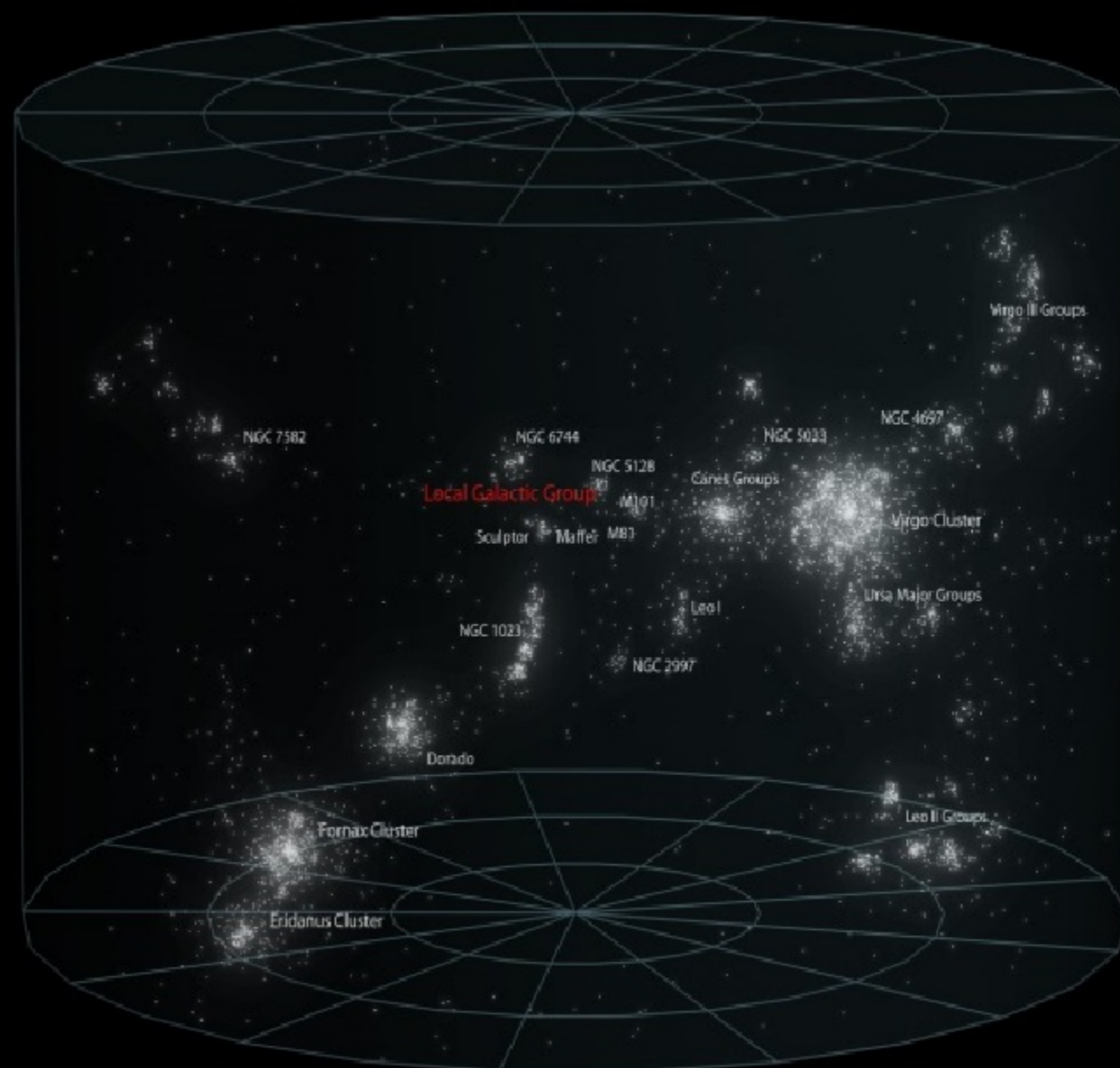
MILKY WAY GALAXY



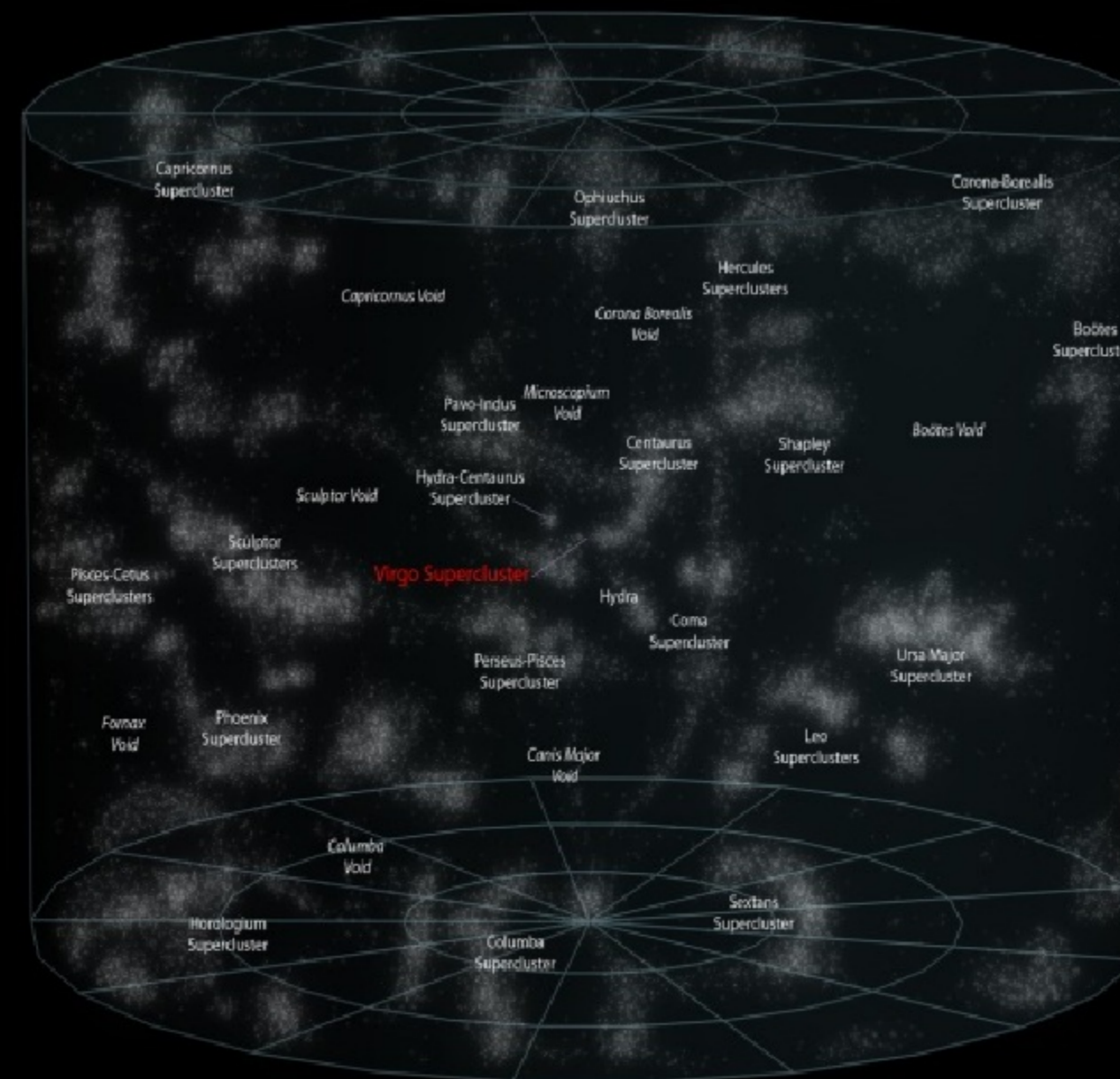
LOCAL GALACTIC GROUP



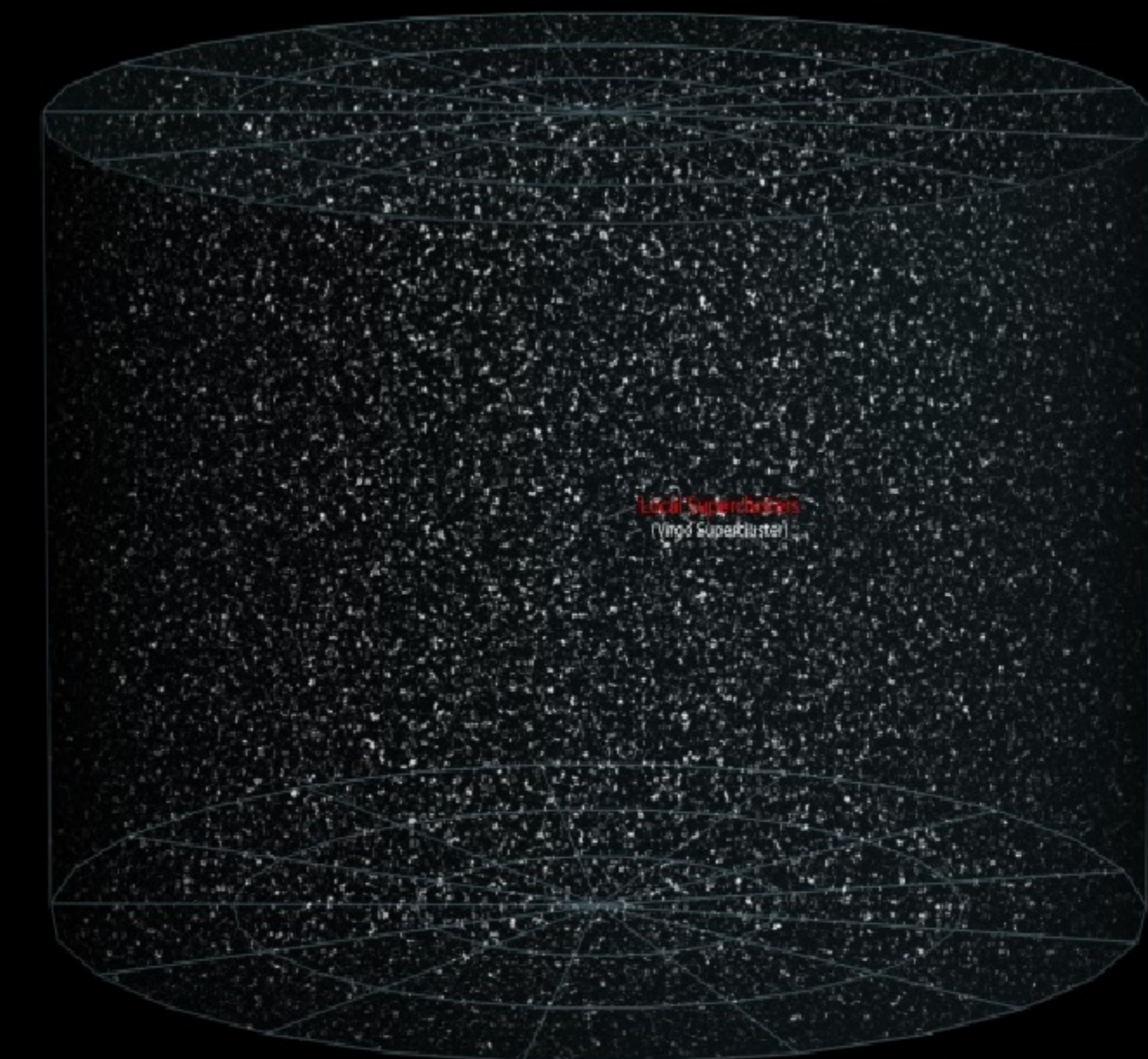
VIRGO SUPERCLUSTER



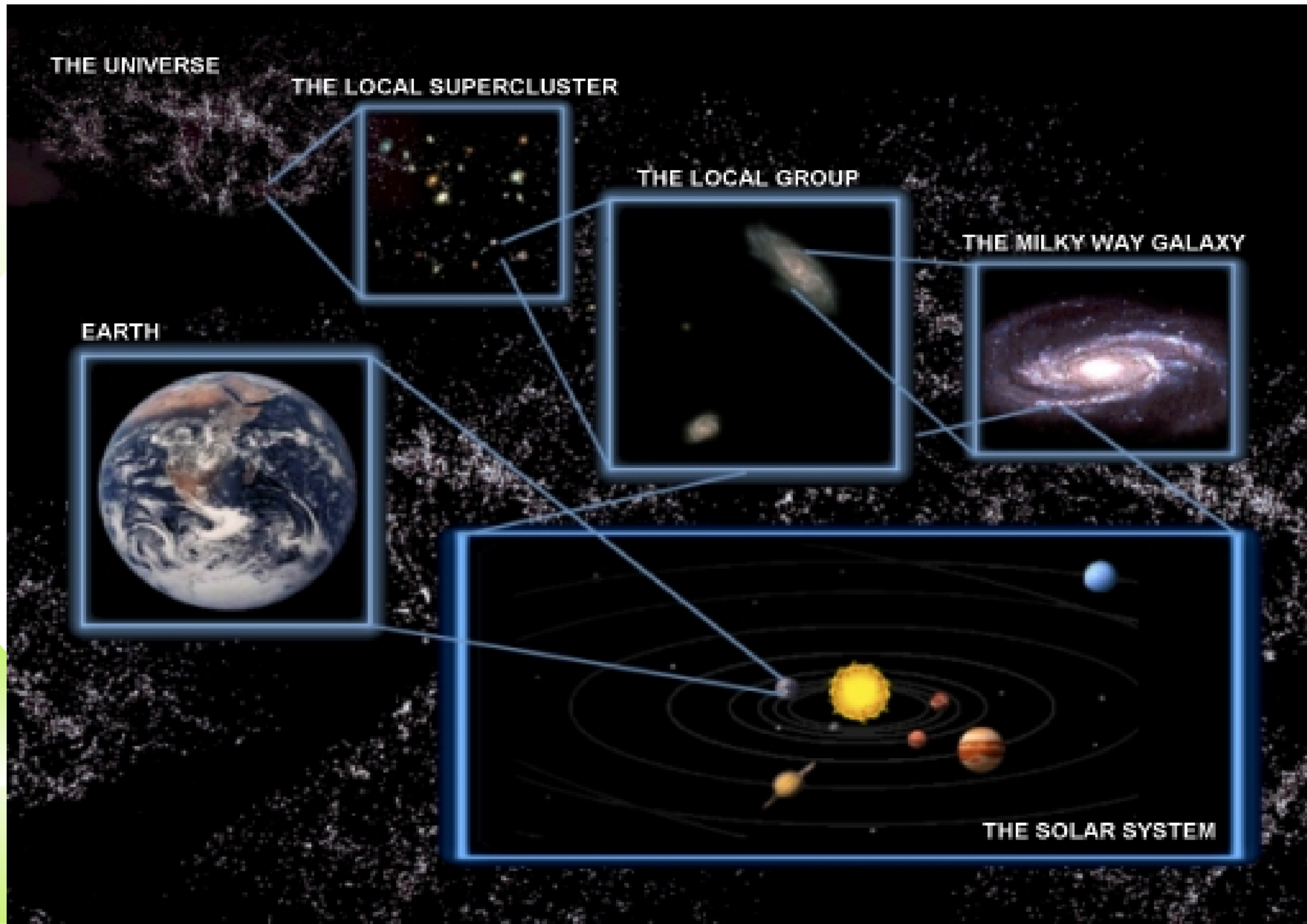
LOCAL SUPERCLUSTERS



OBSERVABLE UNIVERSE



# Your real address...

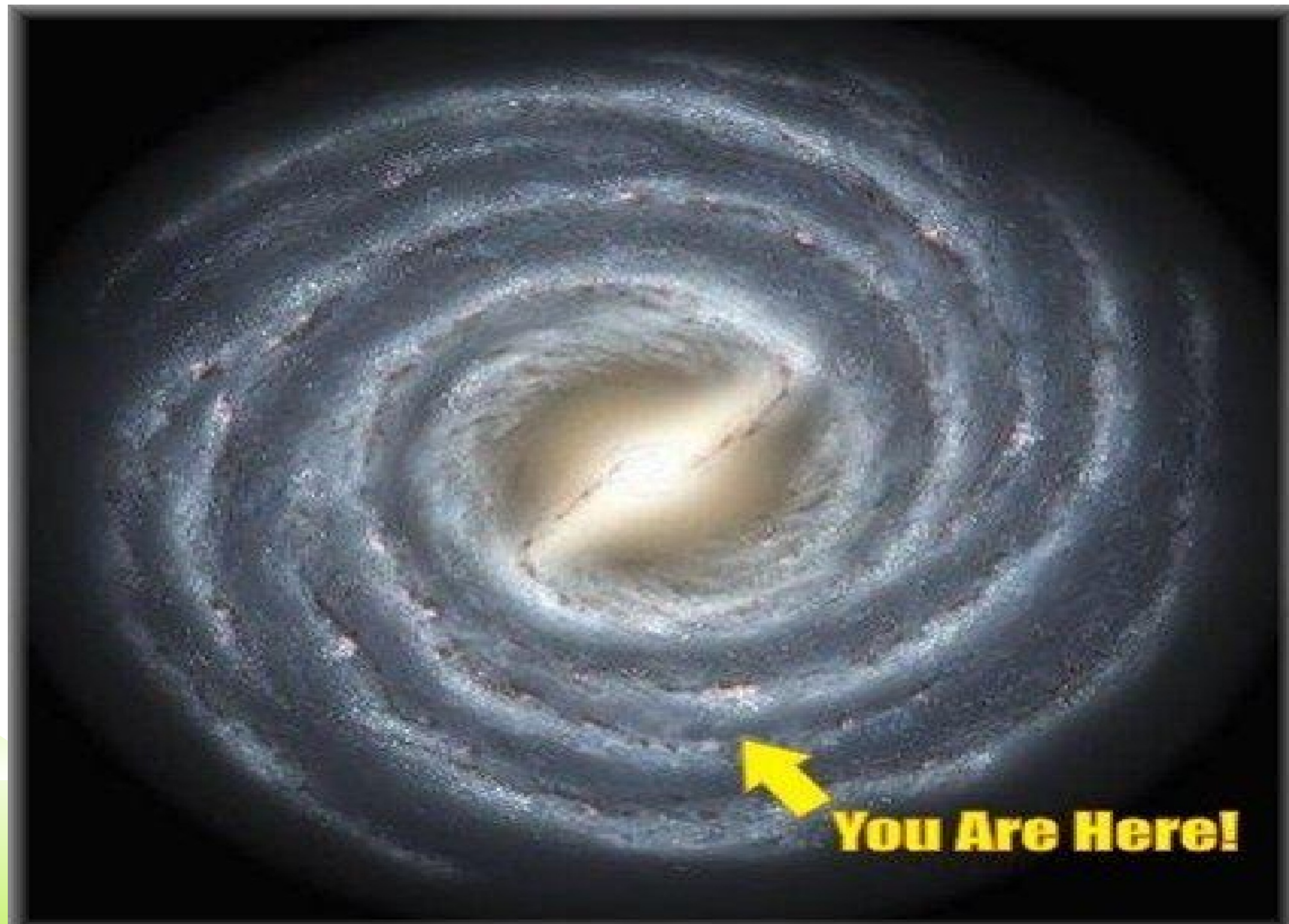




# The place of Earth in the Milky Way: the Security Habitable Zone



# The place of Earth in the Milky Way: the Security Habitable Zone



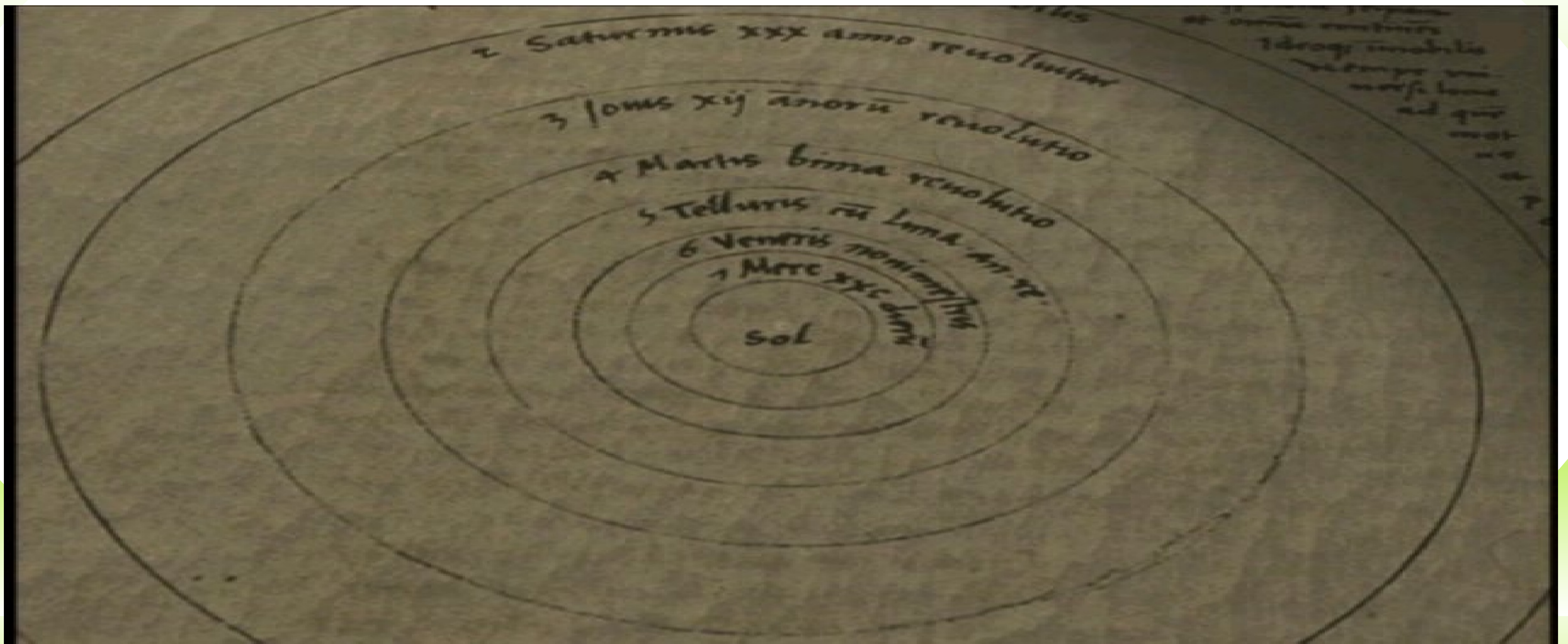
# The place of Earth in the Milky Way: the Science ready Habitable Zone



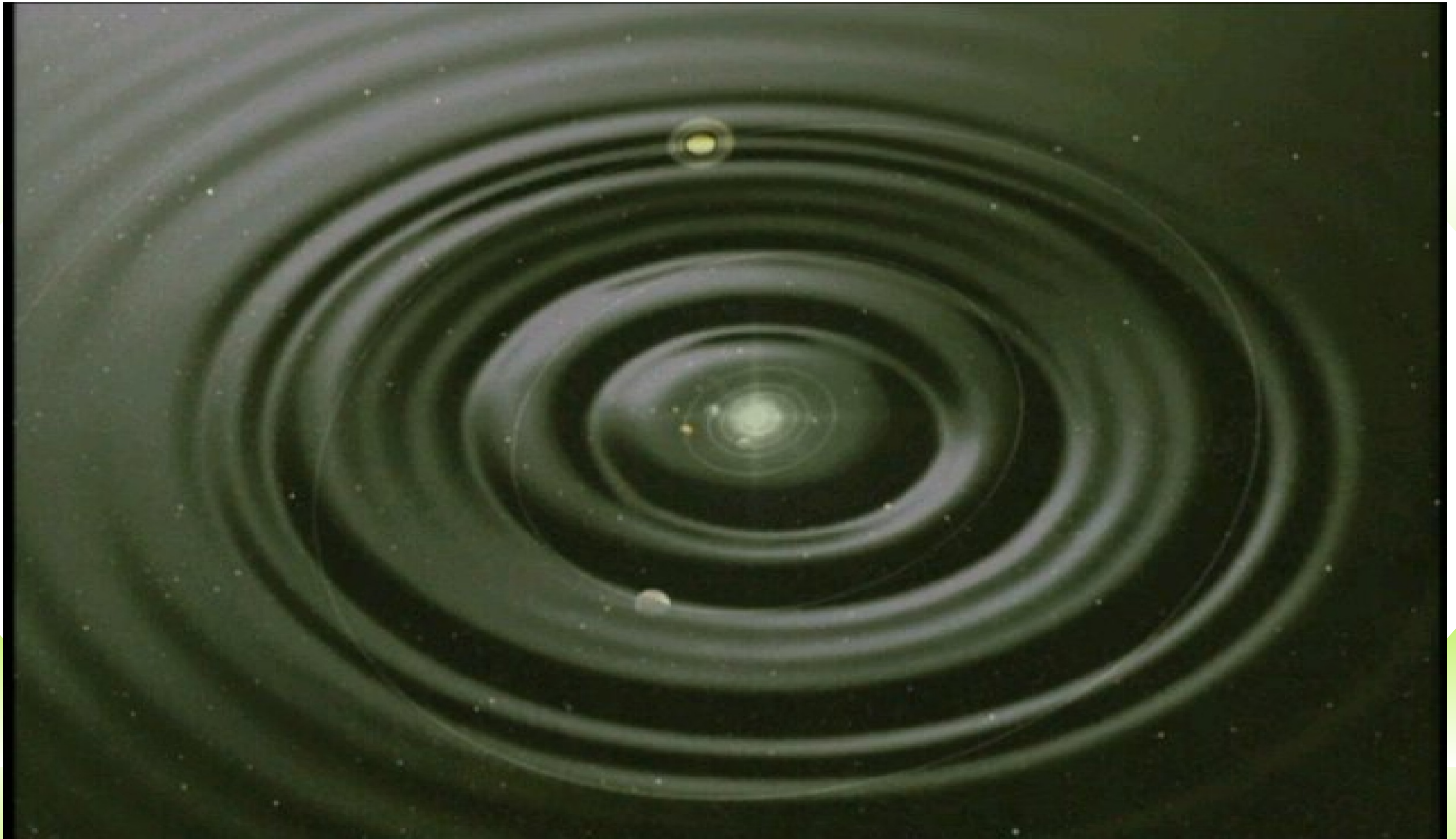
# The place of Earth in the Milky Way: the Science ready Habitable Zone



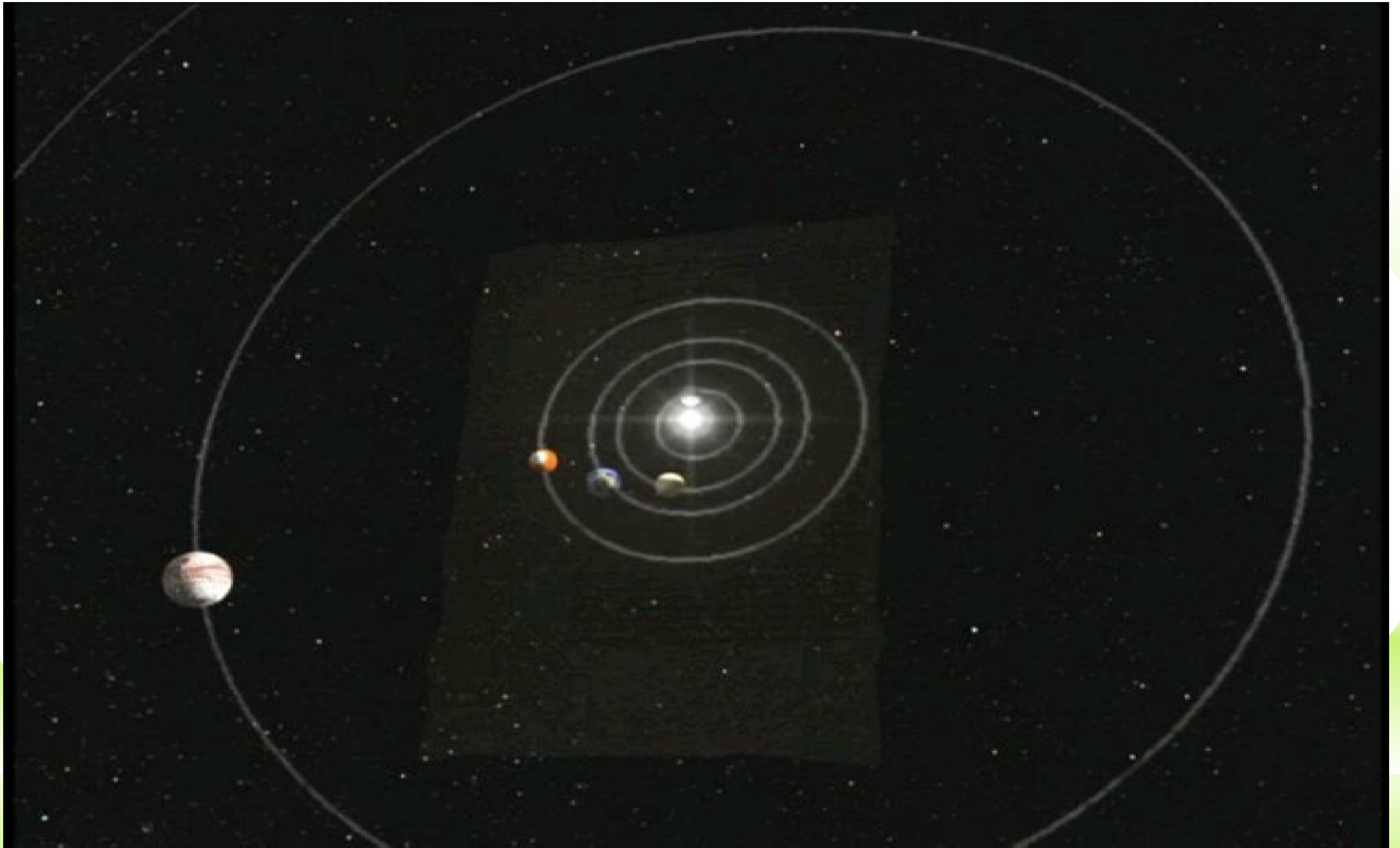
The position of the Earth in the Milky Way seems providential, the best there is... Nicolaus Copernic proved the Sun is at the center of the solar system (1473 – 1543). Yet are we in the center of God's attention?



# The circling trajectories or paths of planets around the Sun...



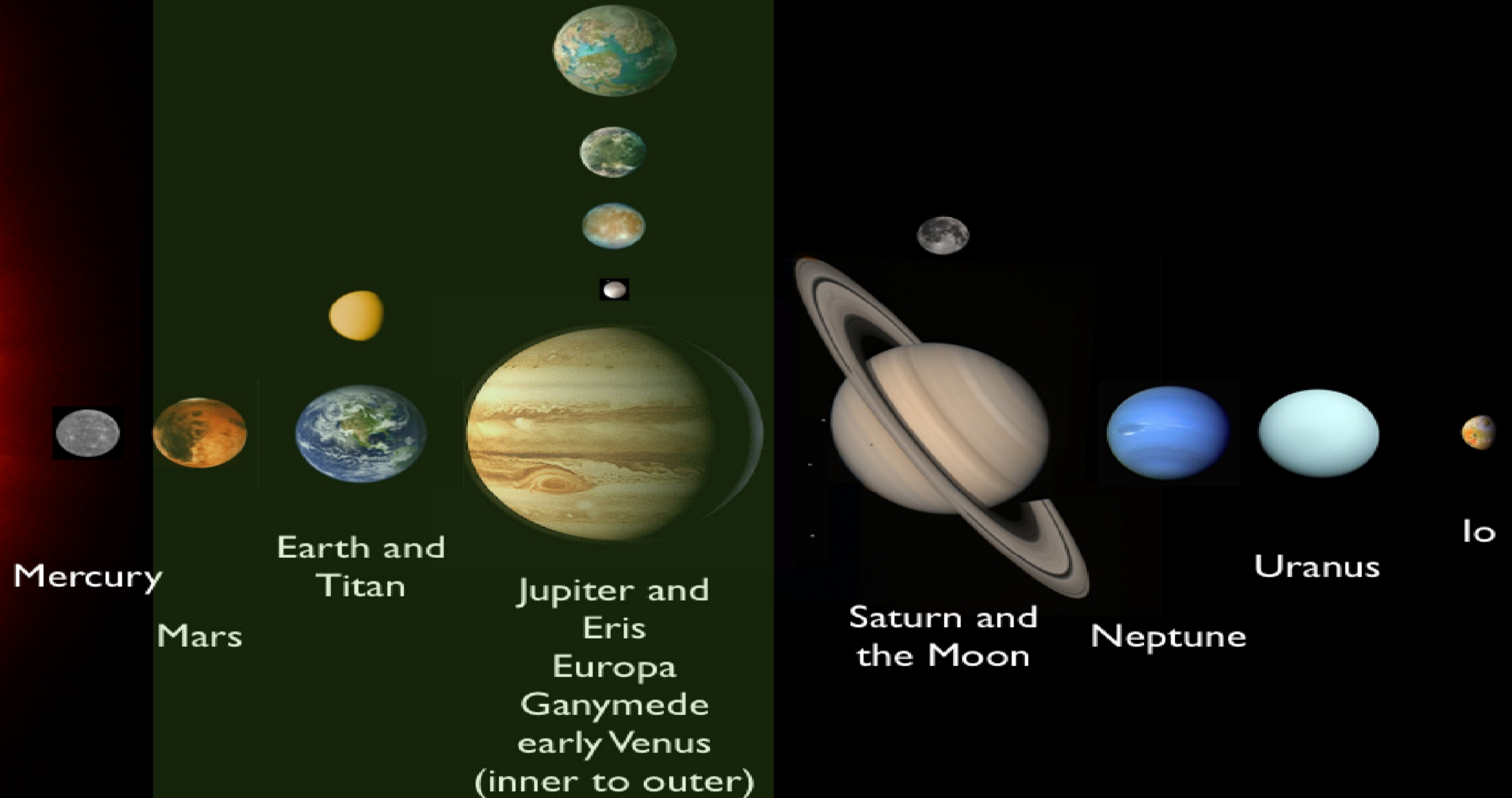
# The place of Earth in the Milky Way: the Habitable Zone



# The place of Earth in the Milky Way: the Habitable Zone

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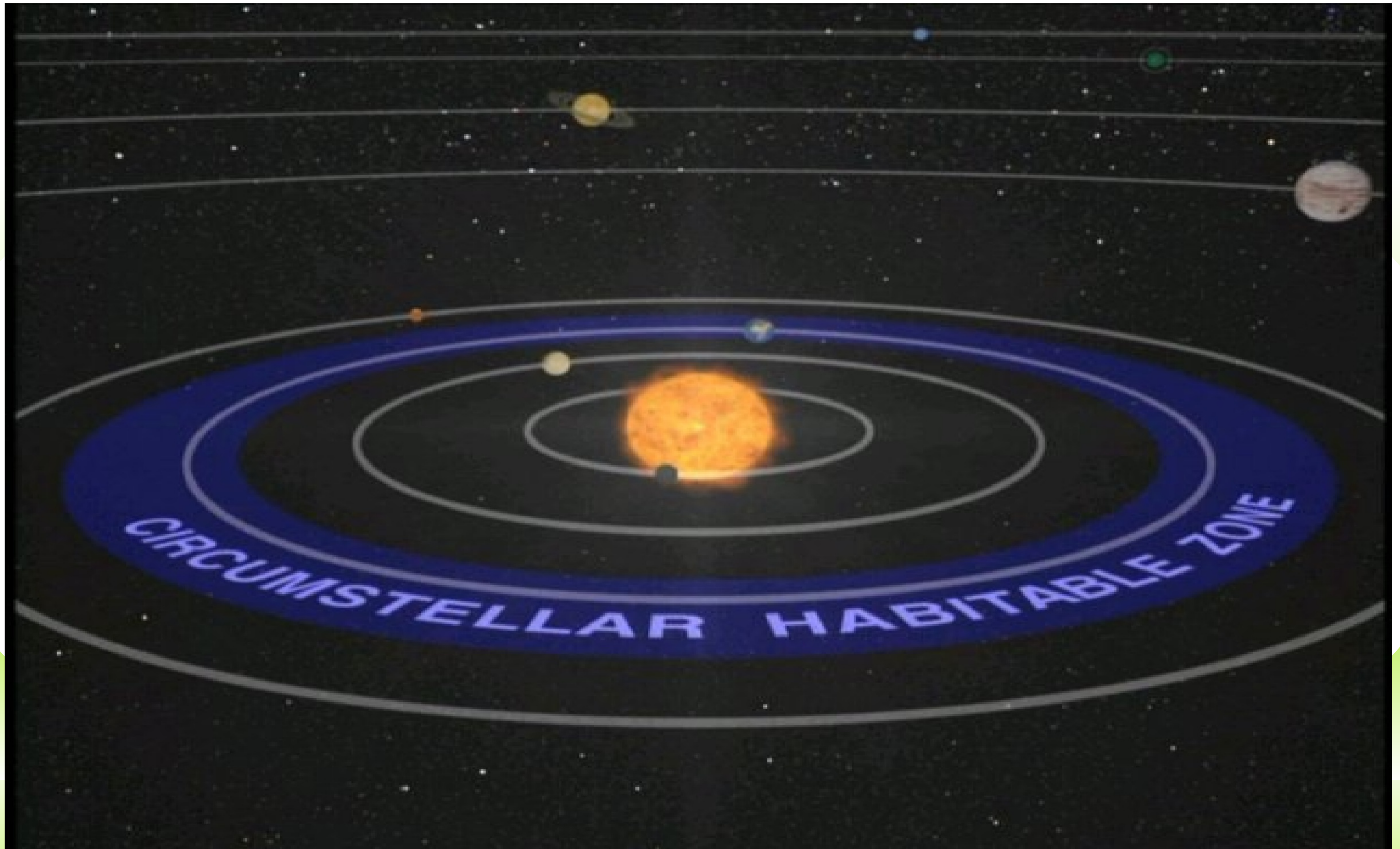
## A better Solar System



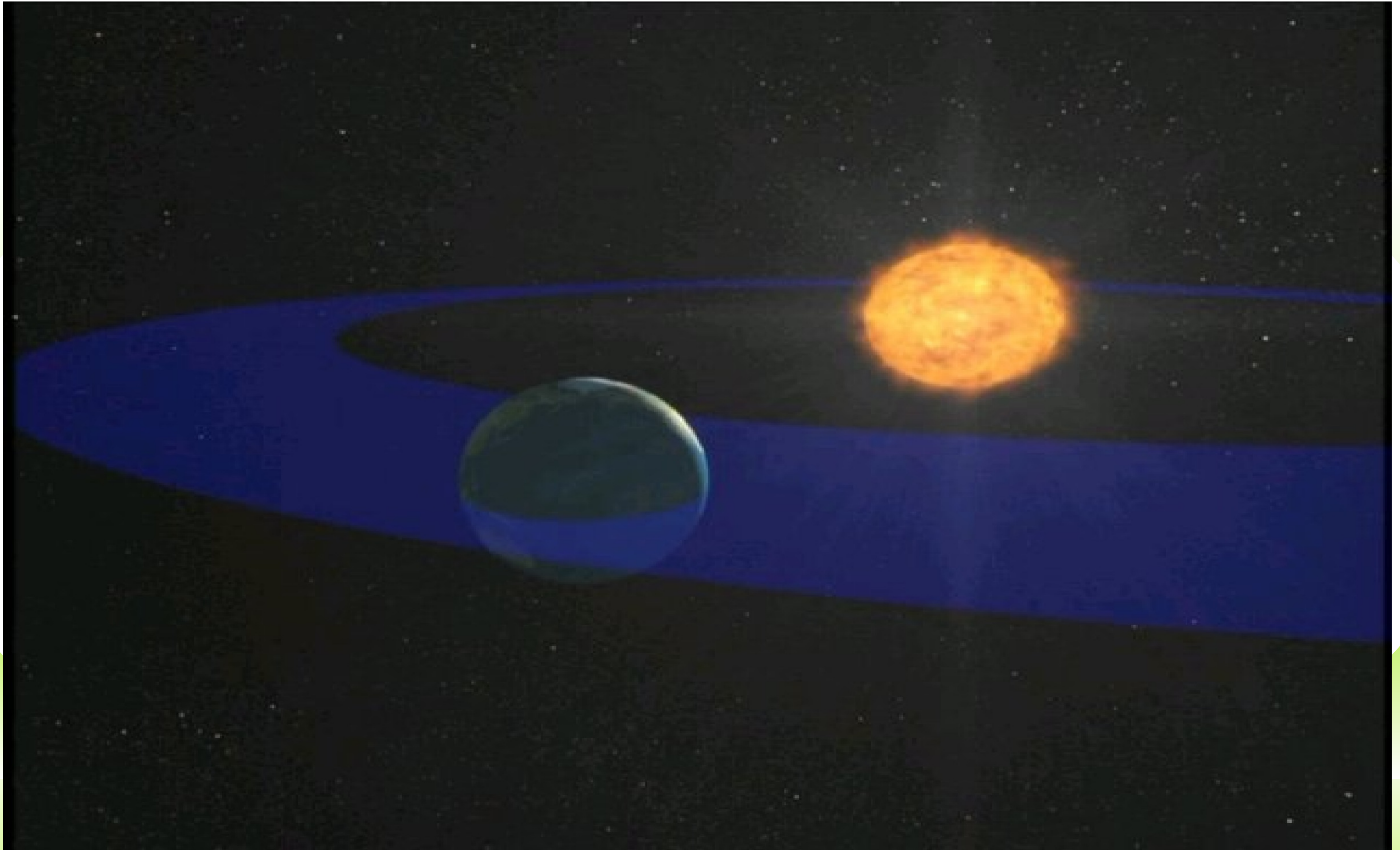
Habitable Zone



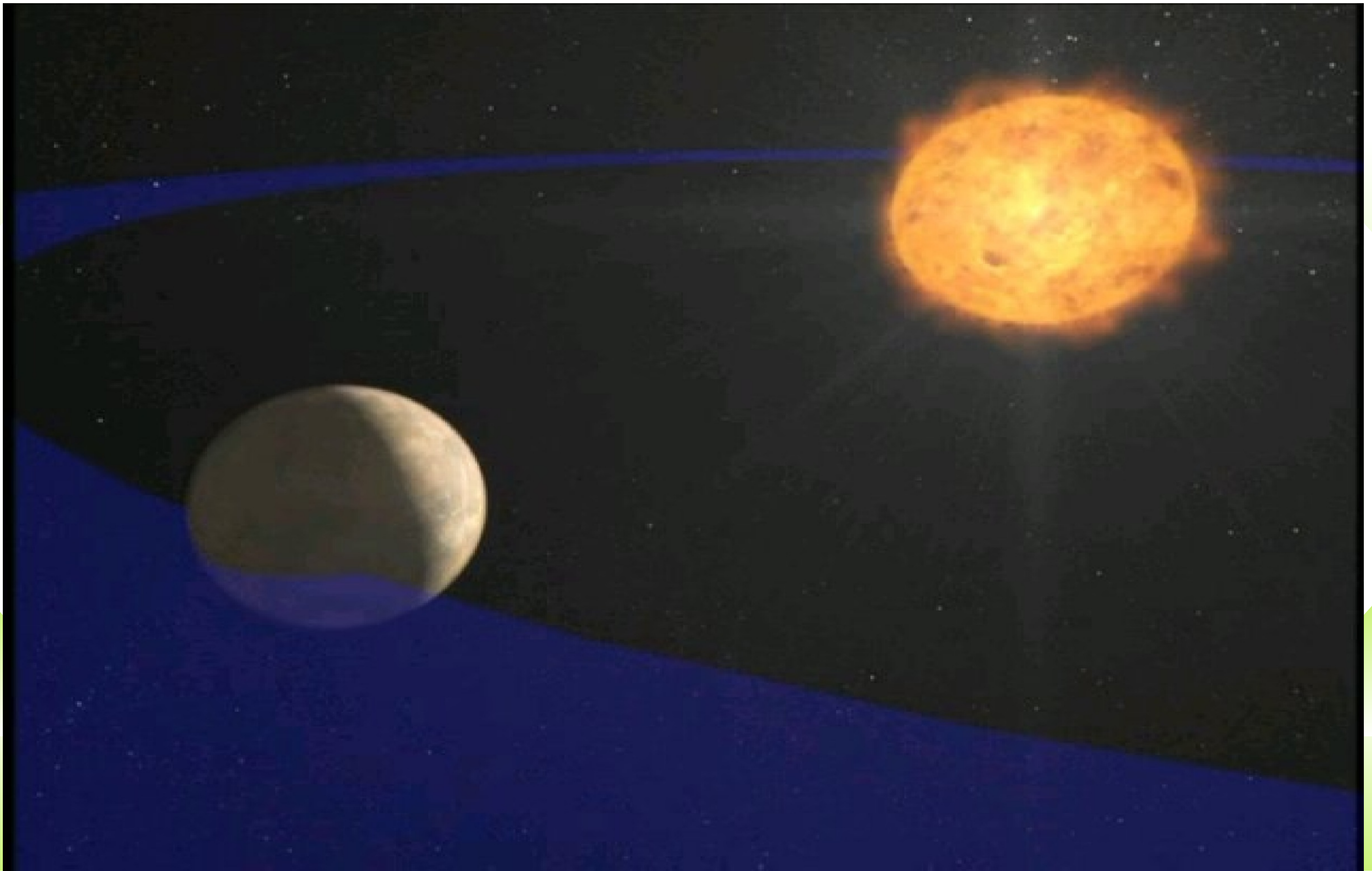
# The place of Earth in the Milky Way: the Habitable Zone



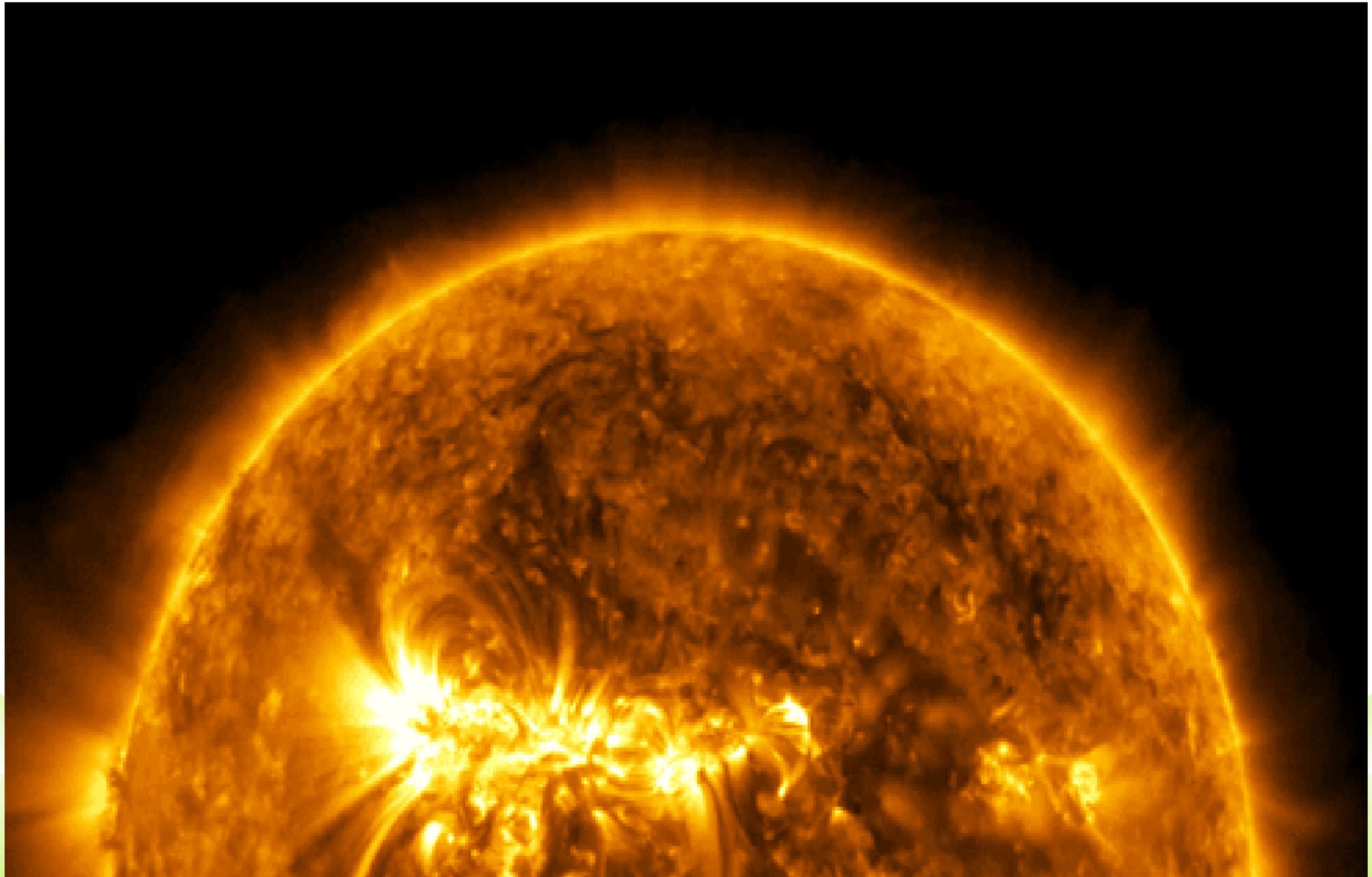
# The place of Earth in the Milky Way: the Habitable Zone



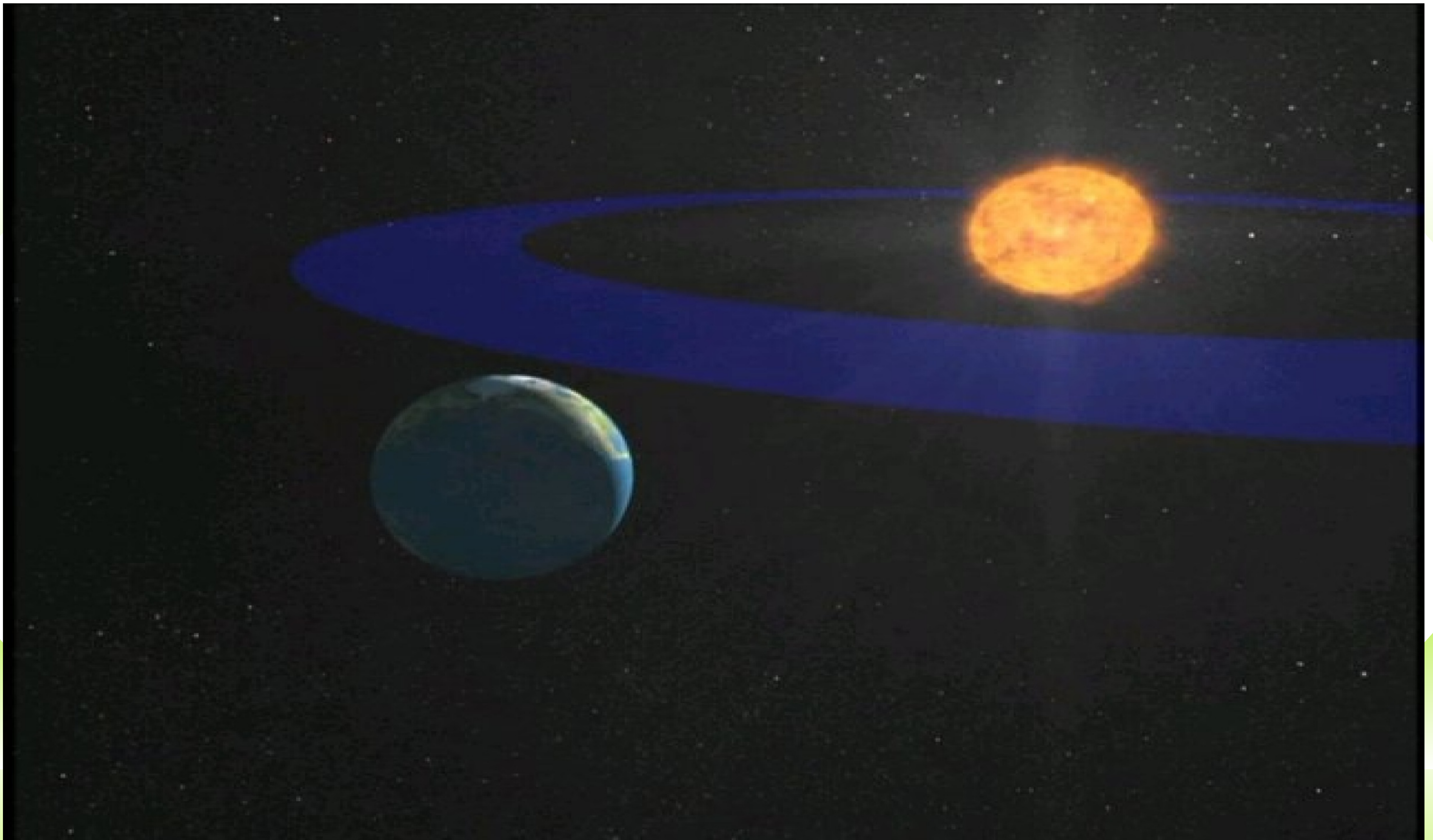
# The place of Earth in the Milky Way: the Habitable Zone



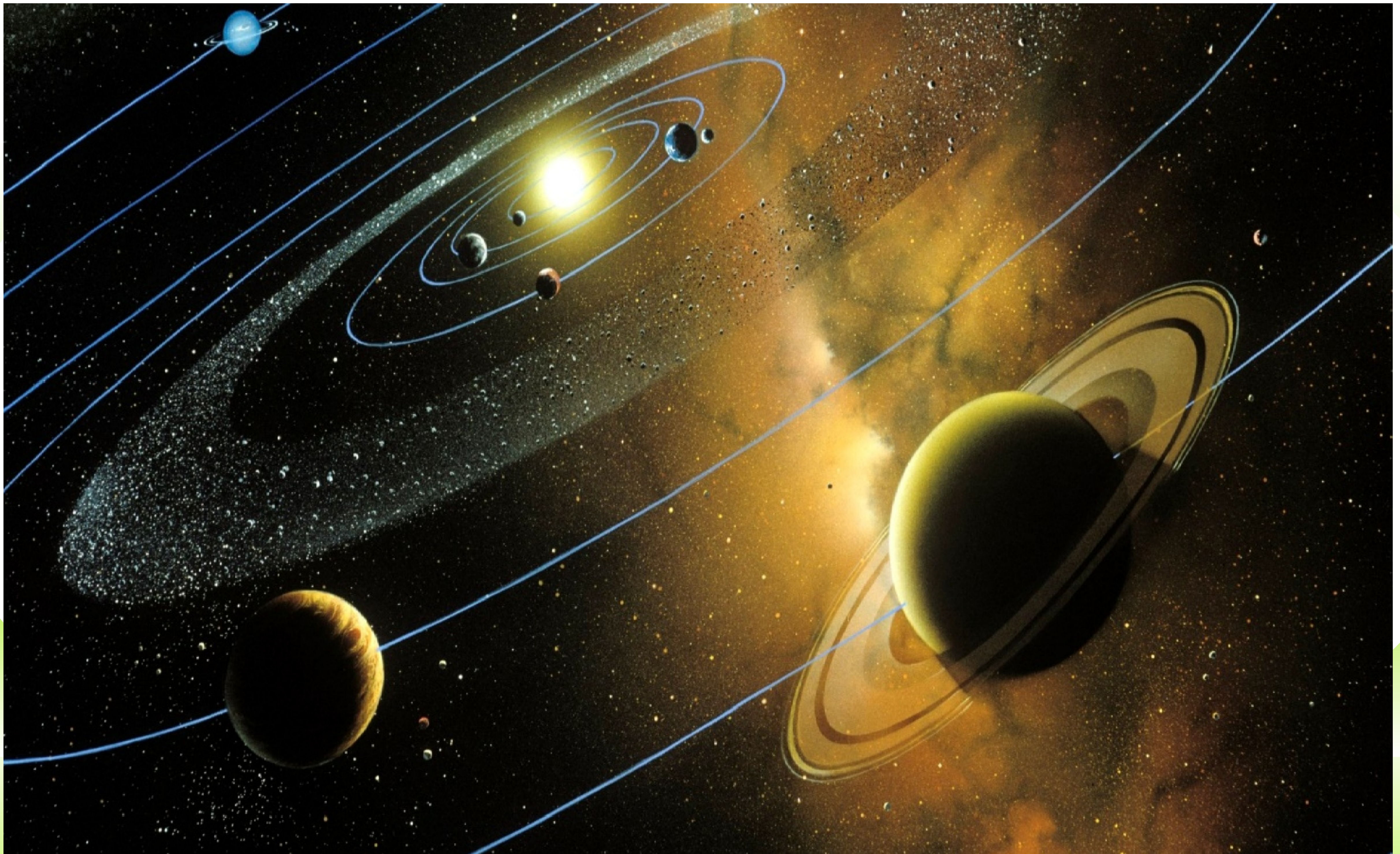
**A bit closer to the Sun, and we would die of  
heath, and of radiations...**



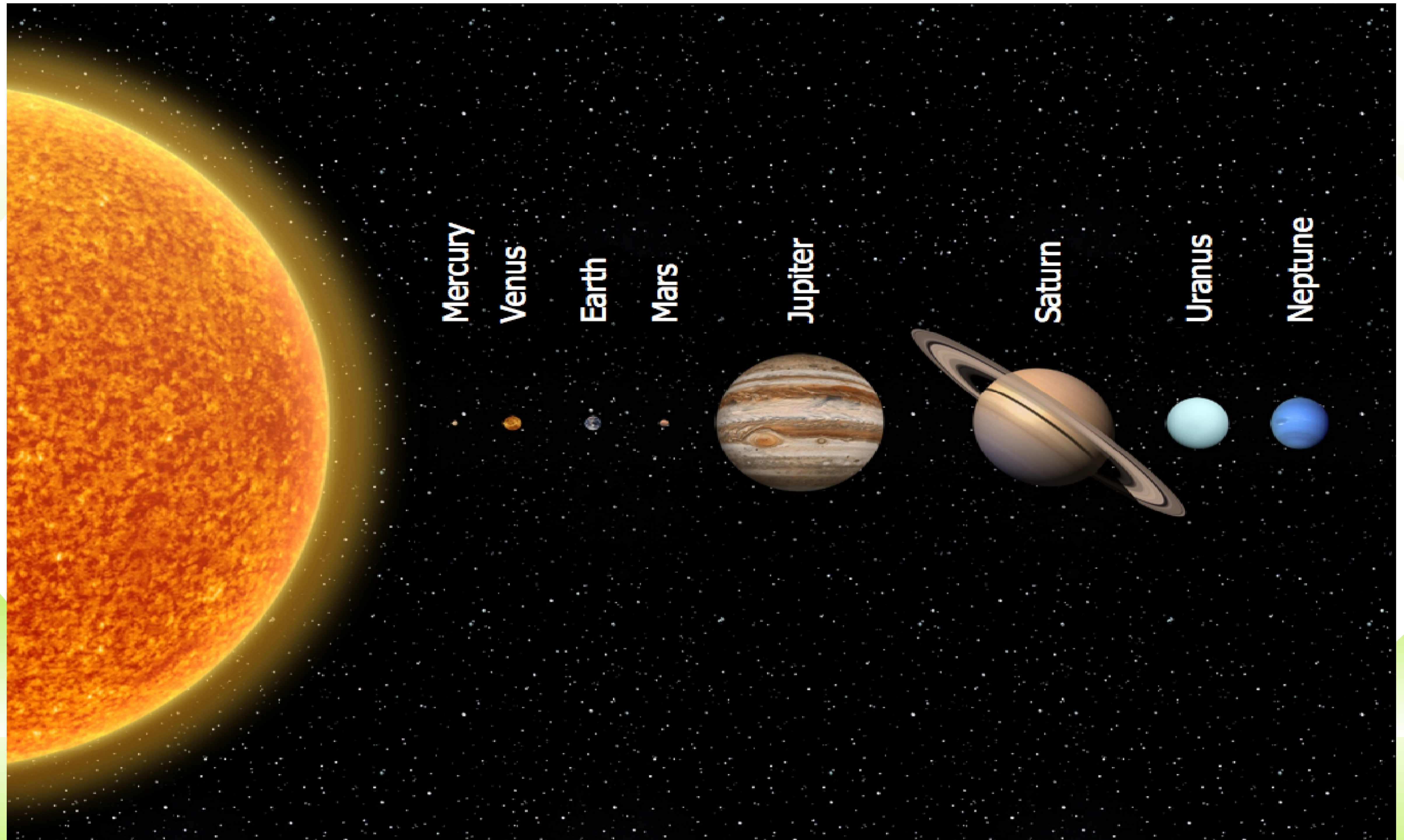
**Just a bit farther from the Sun, and we would die of cold...**



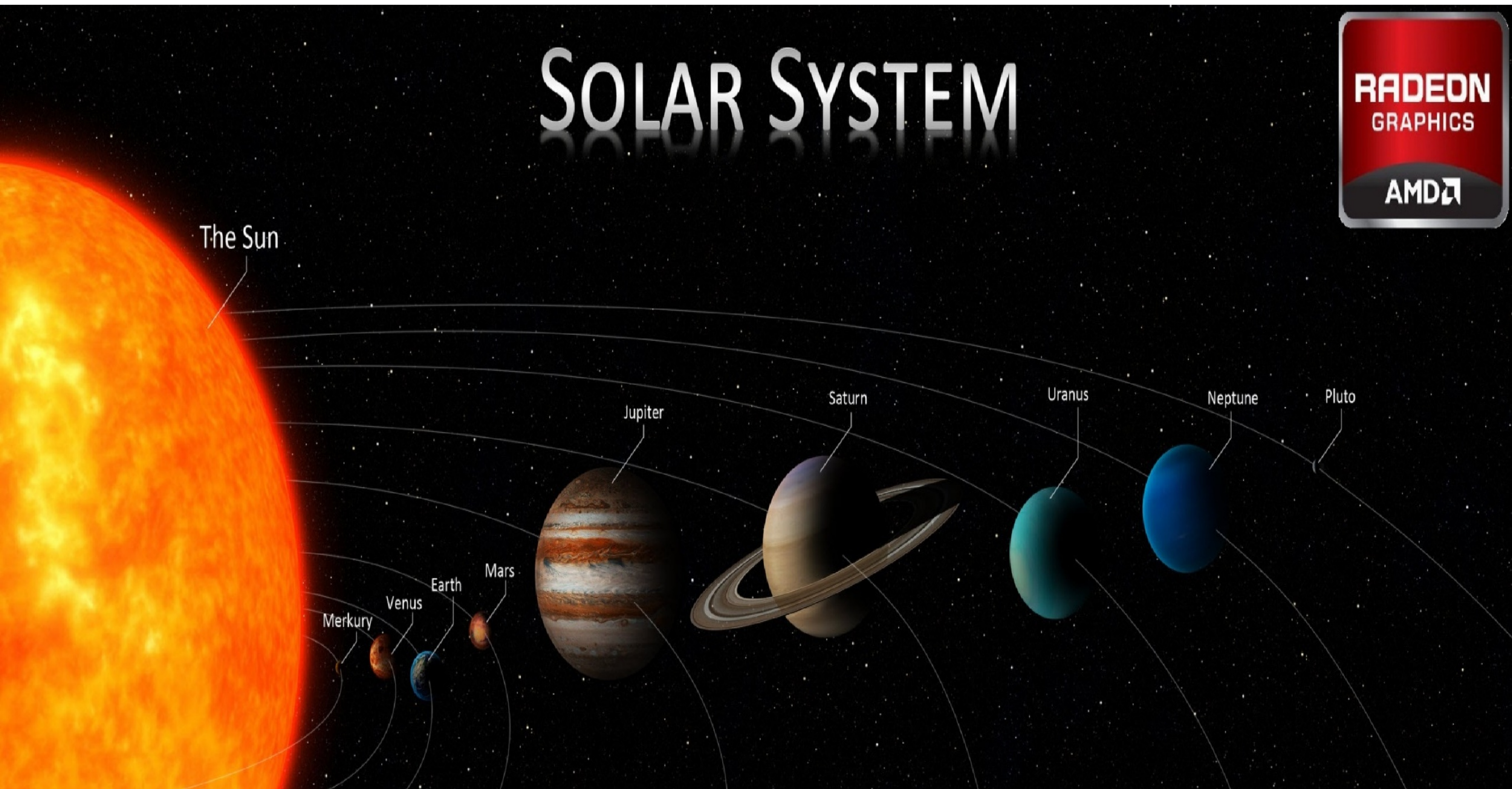
# The place of Earth in the Milky Way: the Habitable Zone



**Planet Earth is shielded by the gravitational fields of the big planets around it.**

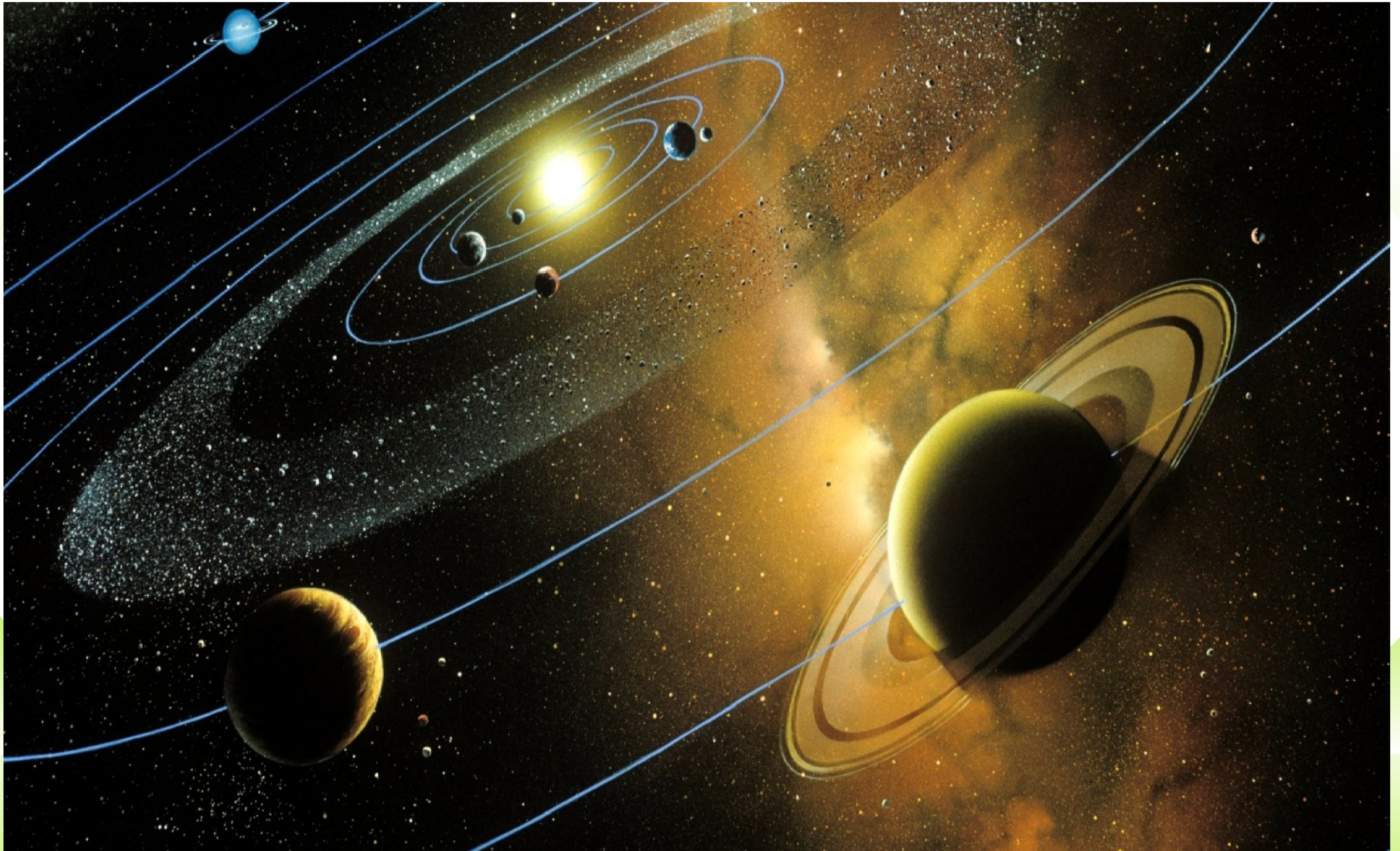


**The big planets around the Earth deflect or push away the meteorites in the solar system.**

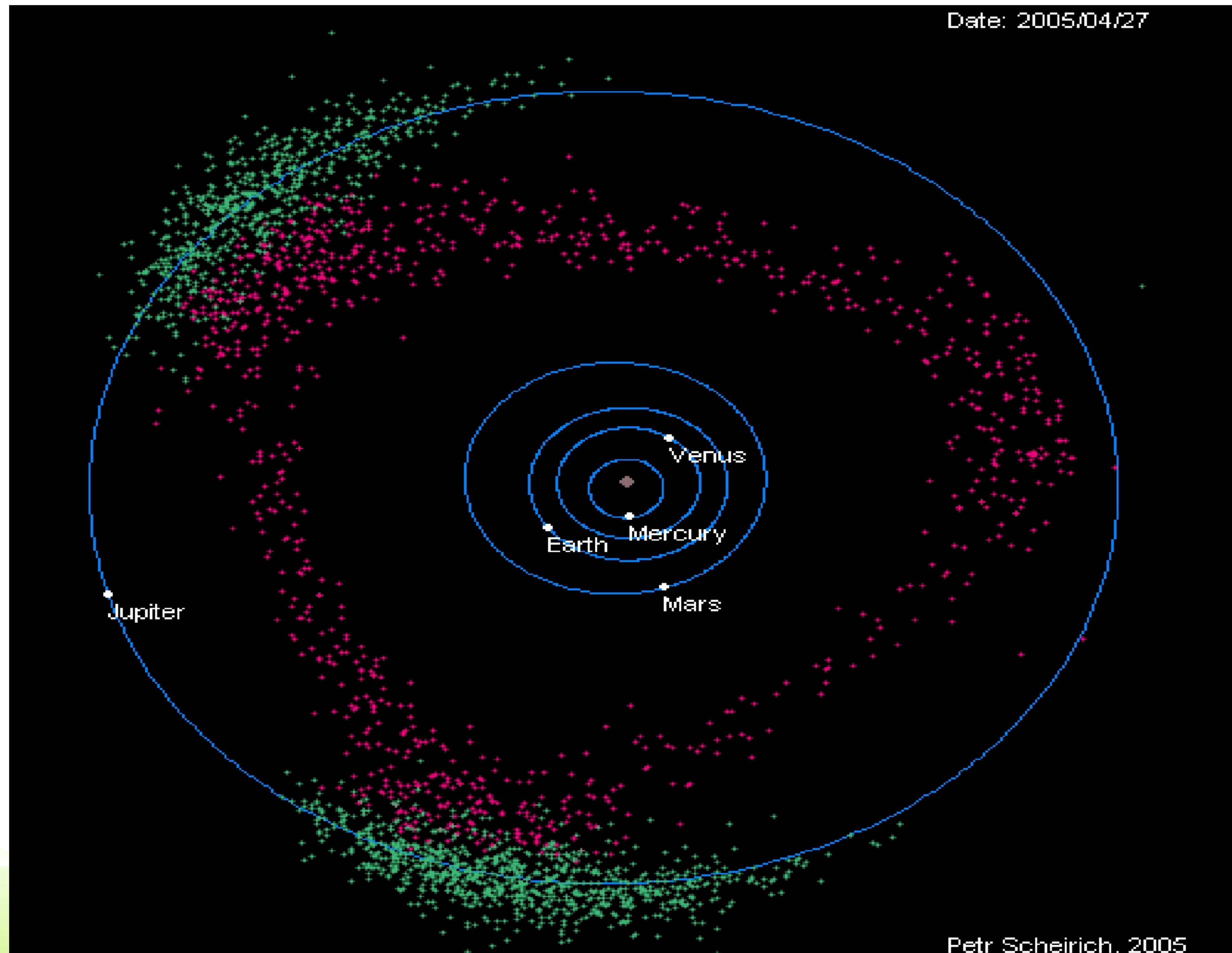




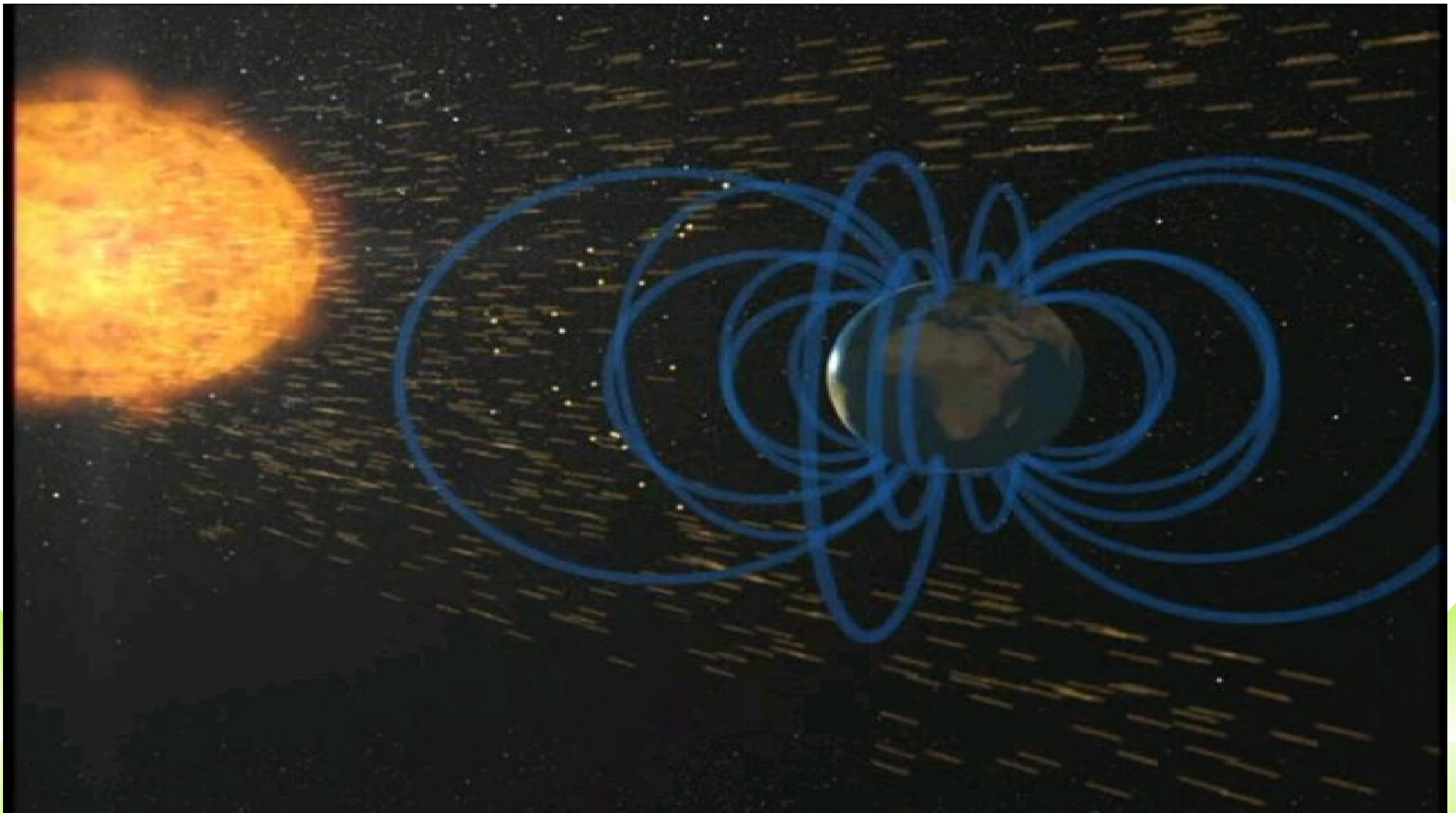
# Meteorites are repulsed and guided beyond earth...



# Big planets chase away comets and large meteorites... away from Earth



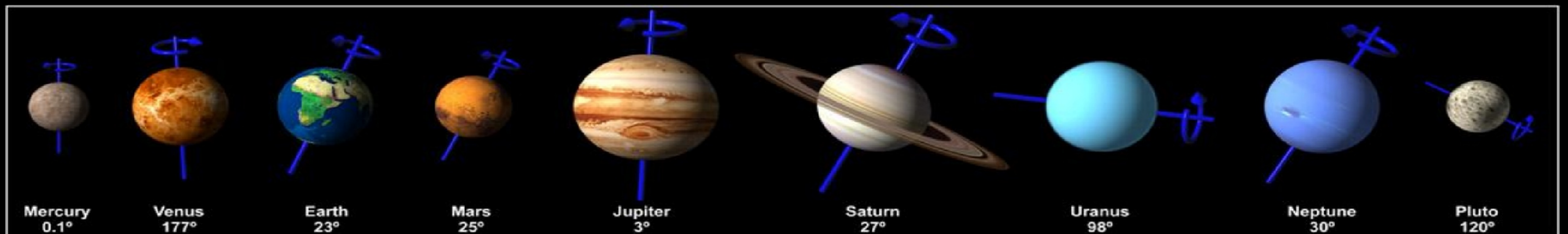
**Earth has a magnetic field that chases away the bad solar radiations**



The tilt of the Earth axis and its rotation is essential for the seasons ... in the southern and northern hemispheres...

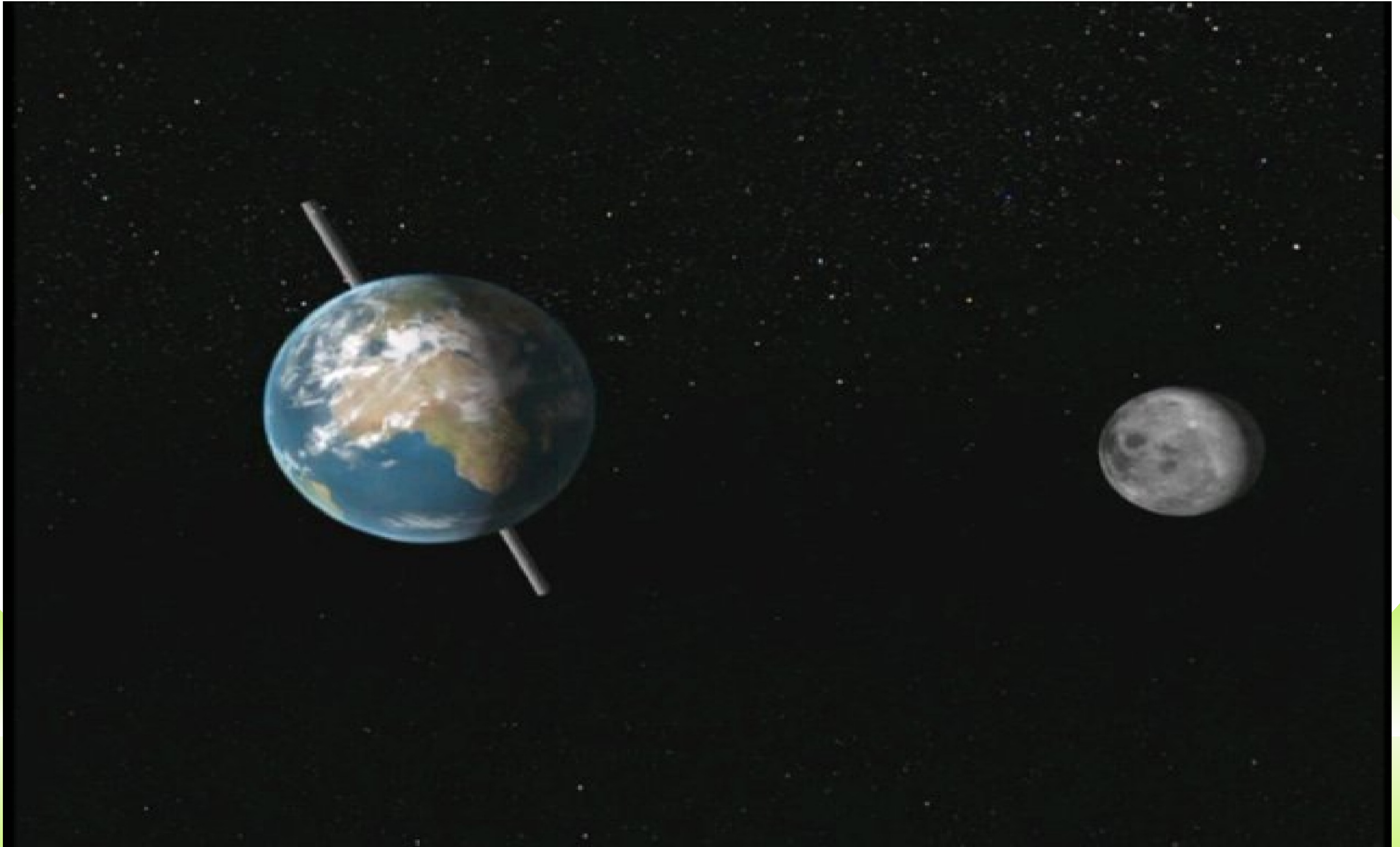


## The Planets in Our Solar System

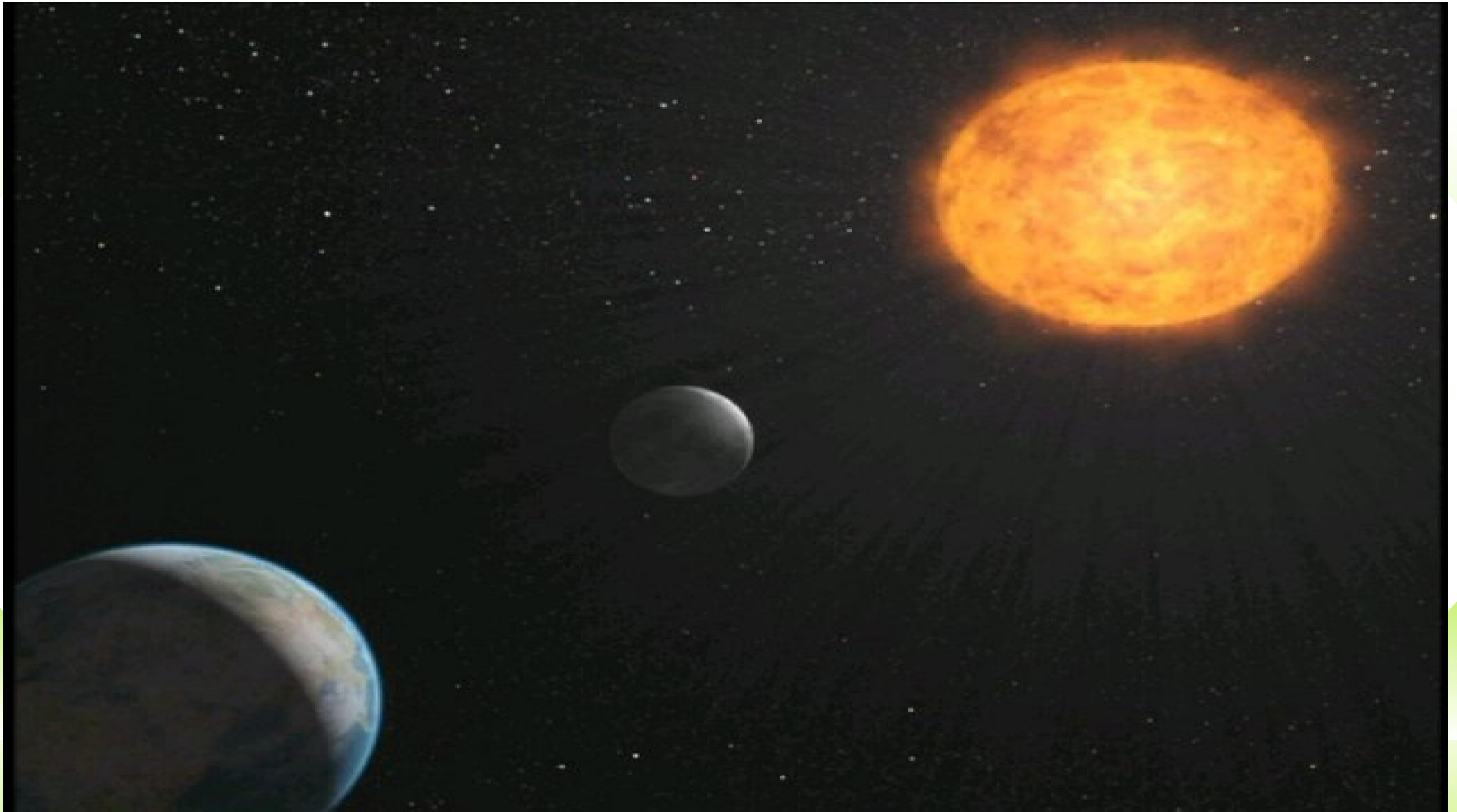


Obliquity of the Nine Planets

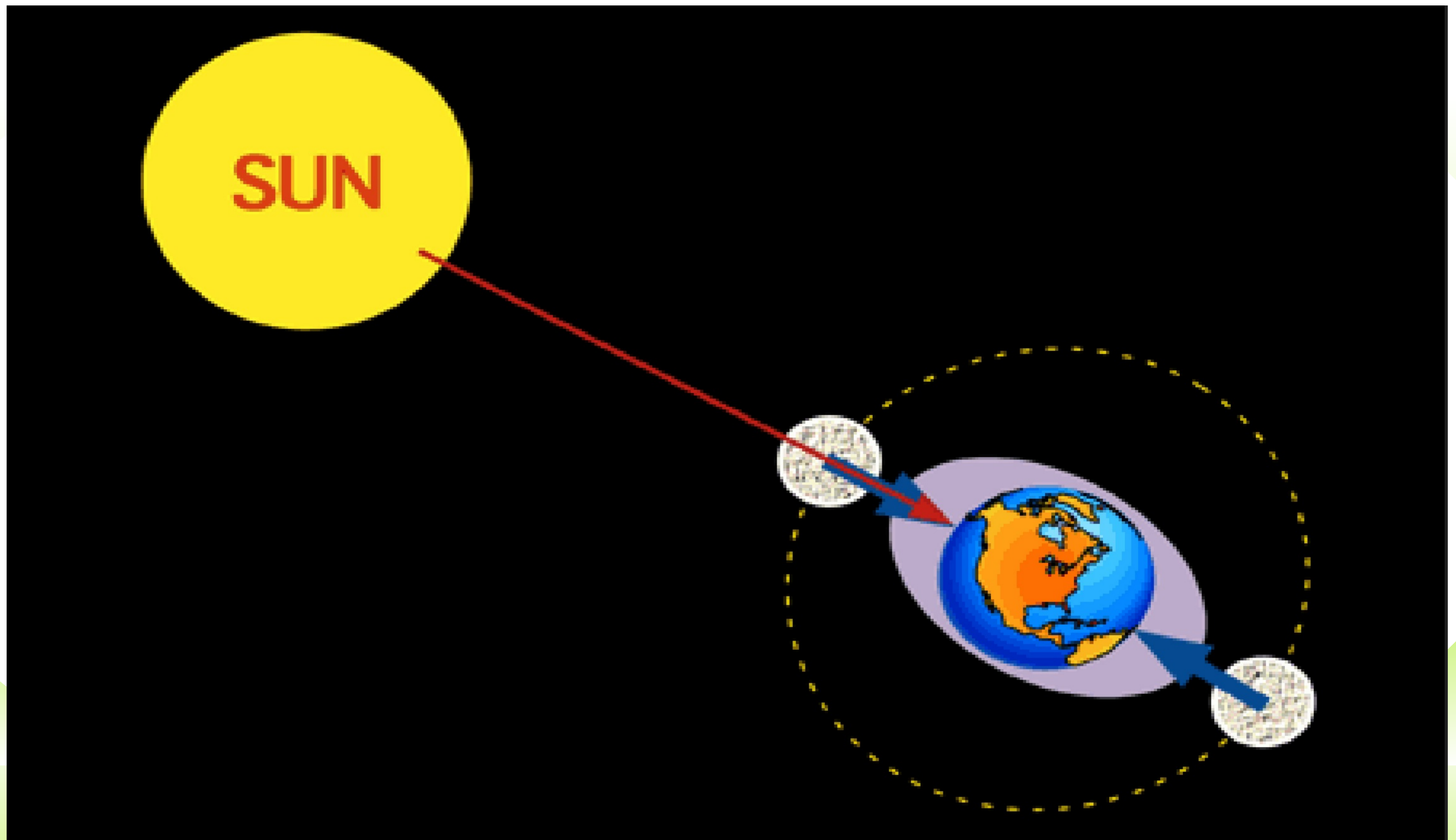
**Earth has a big moon, that traps large meteorites...**



**Earth has a big moon, that traps large meteorites...**



**The Moon generates the tides... a sort of breathing mechanism for the oceans and seas**

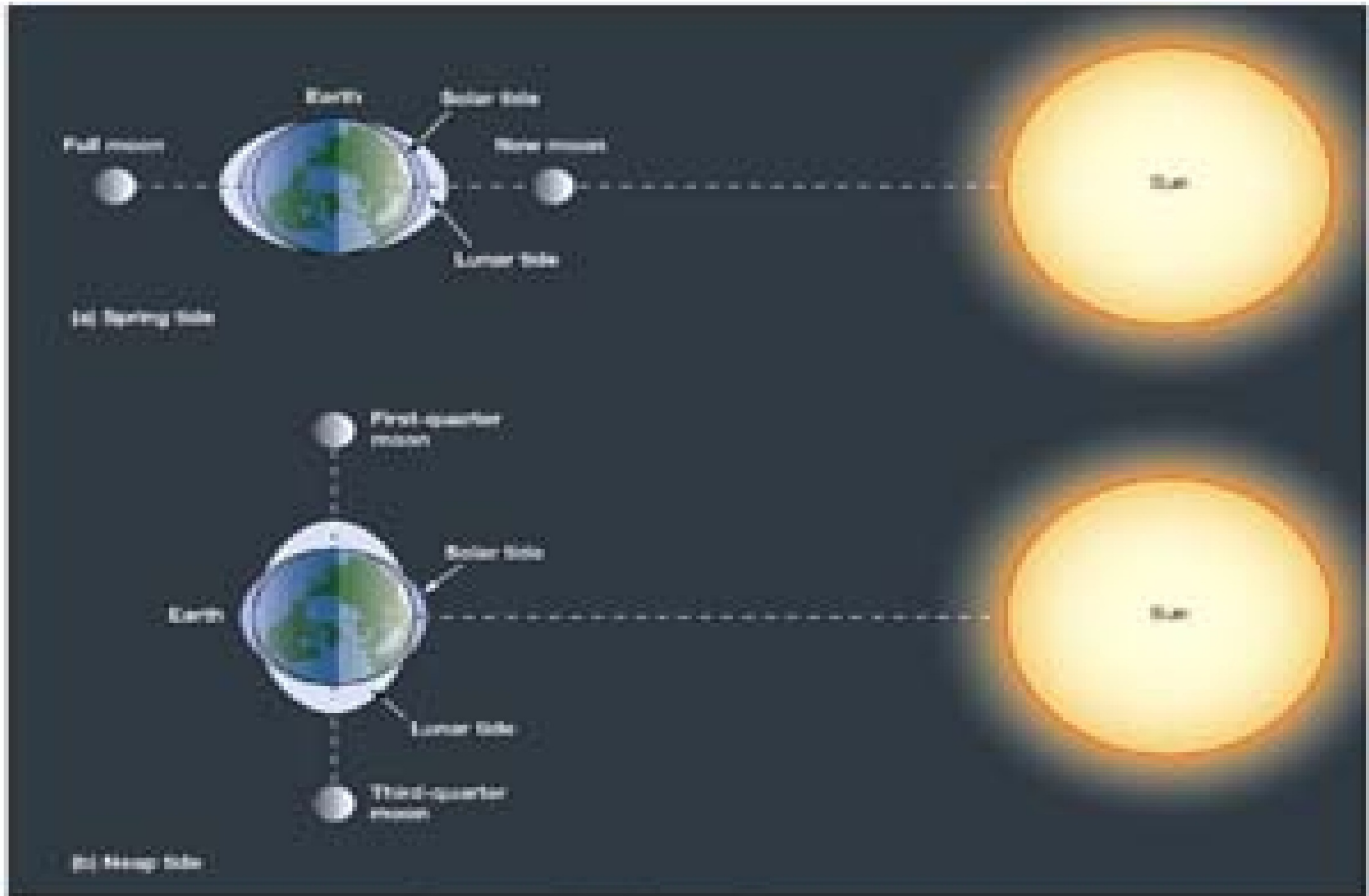


*The Moon creates the tides... a breathing of the ocean water...*





*The Moon creates the tides... a breathing of the ocean water...*

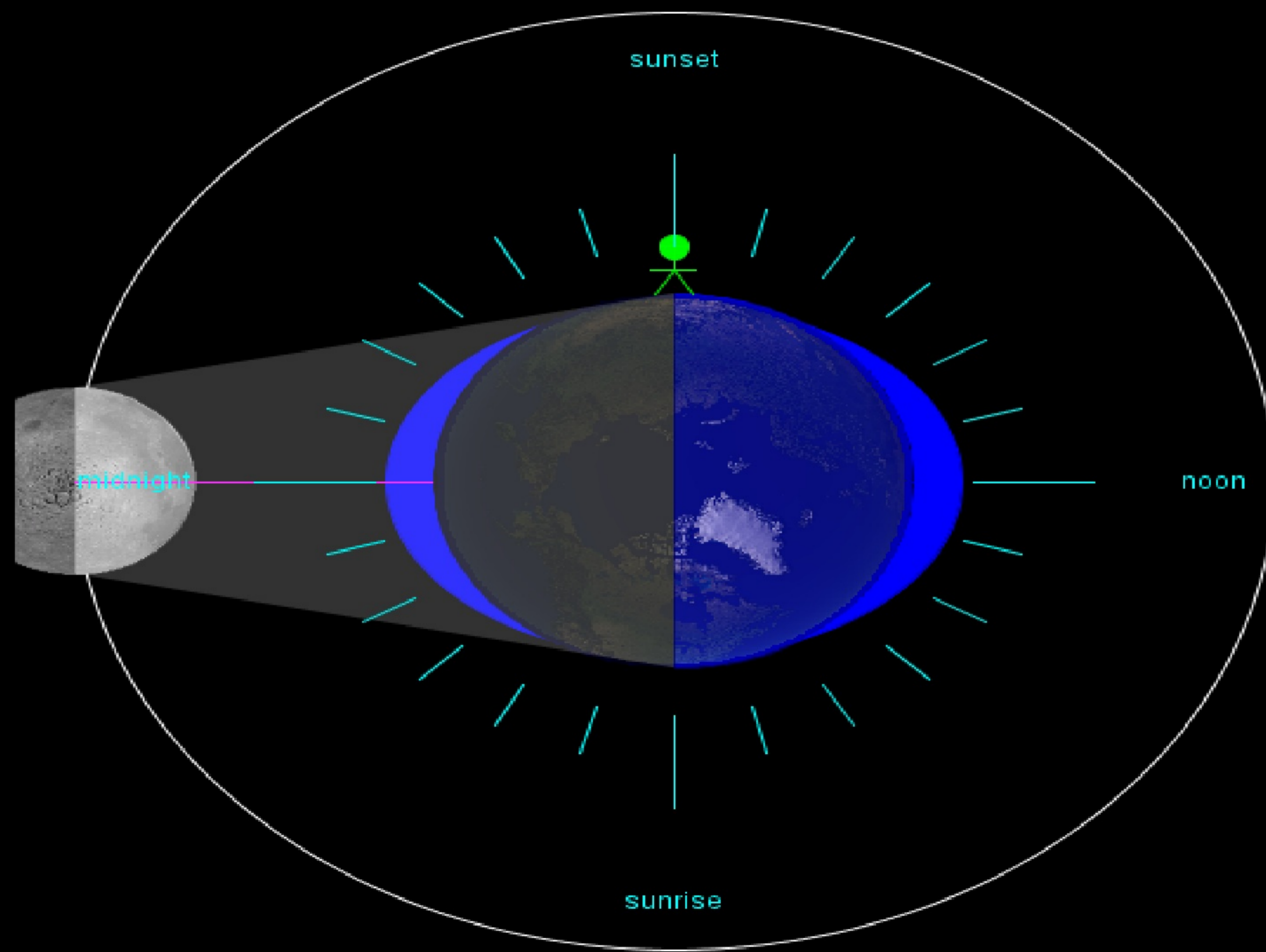


# The Moon generates the tides... a breathing of the ocean water...

Earth View of the Moon

Orbital Top View of Moon

Not to Scale

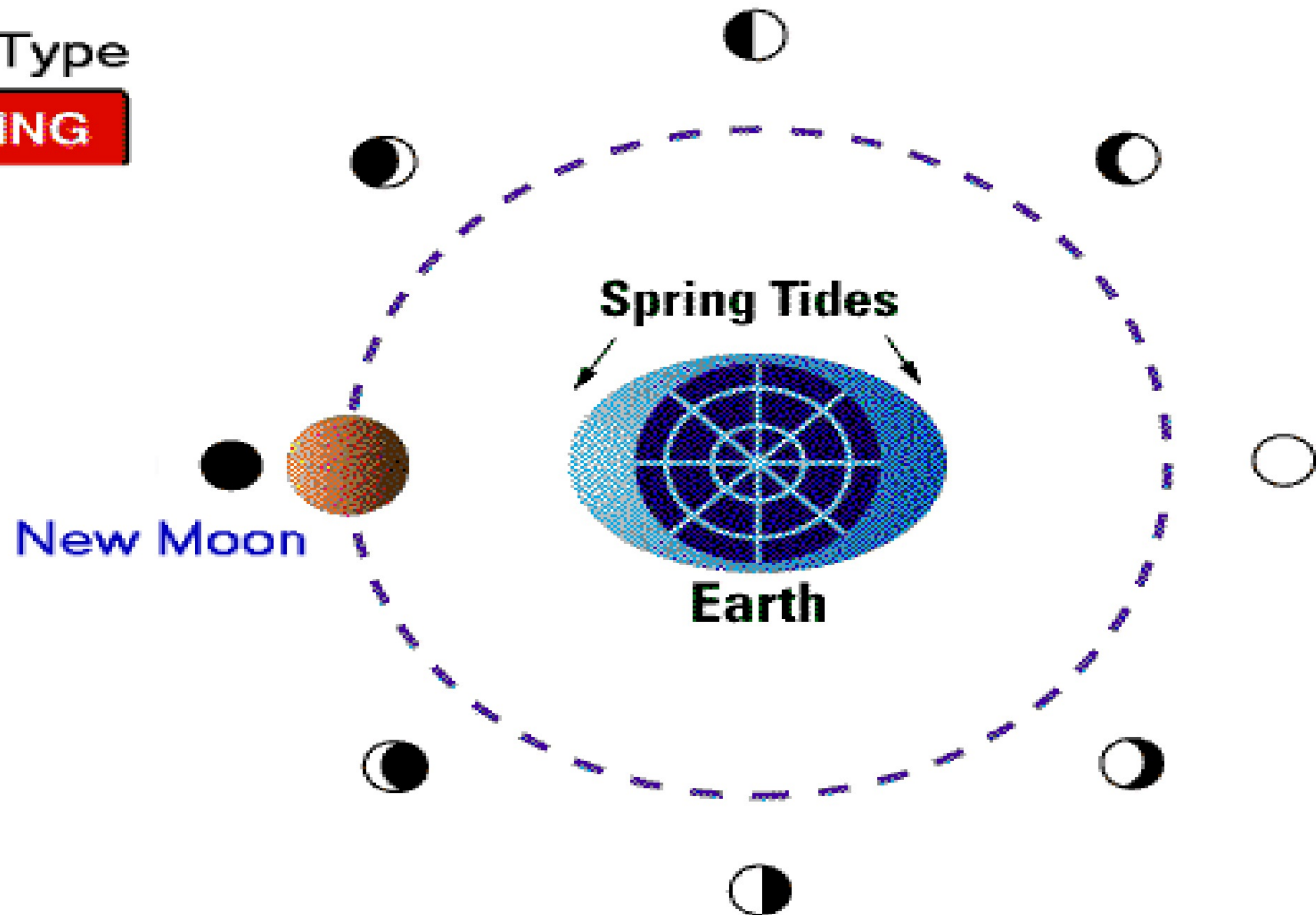


Sunlight

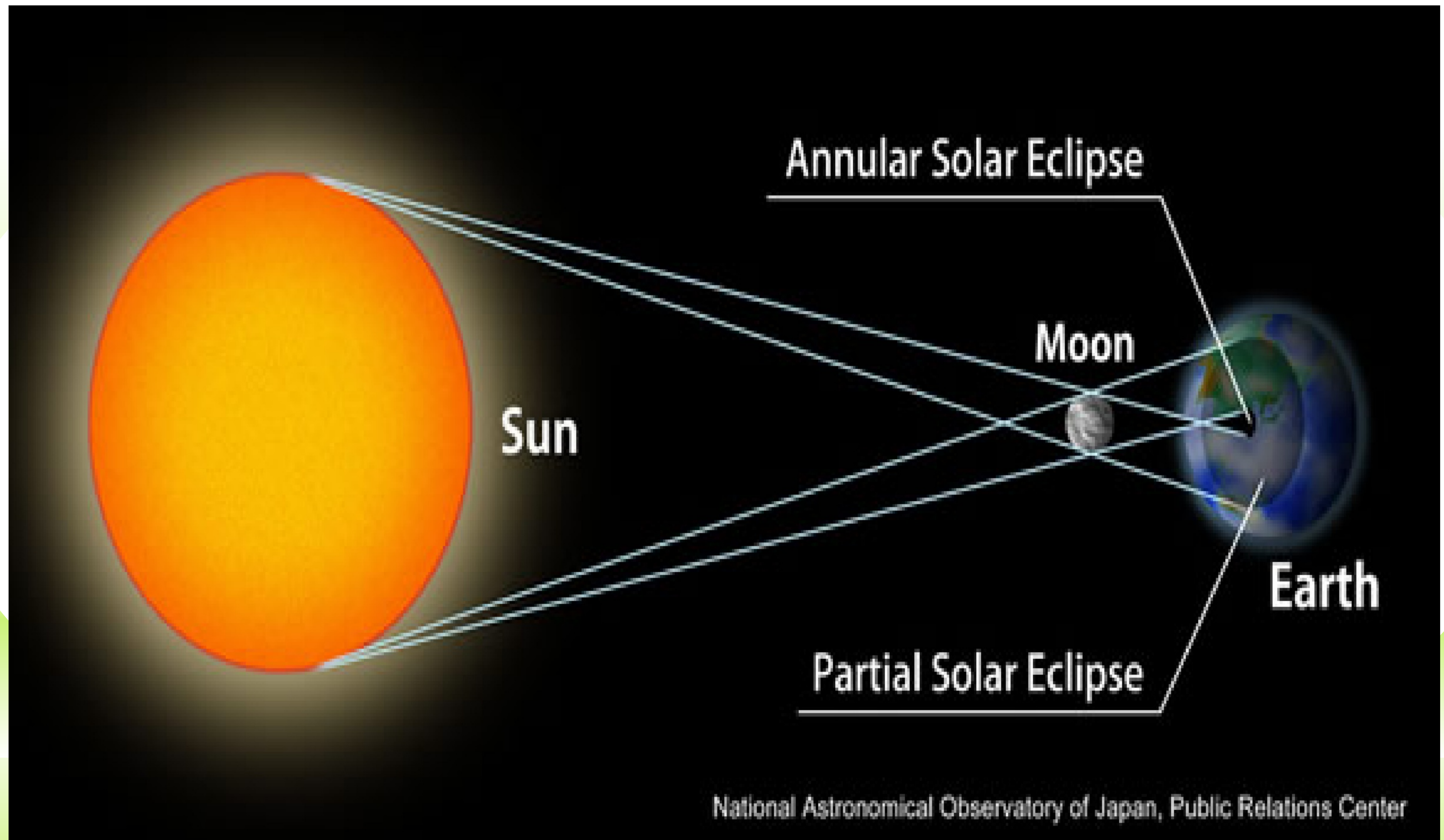
*The Moon generates the tides... a breathing of the ocean water...*

Tide Type

**SPRING**

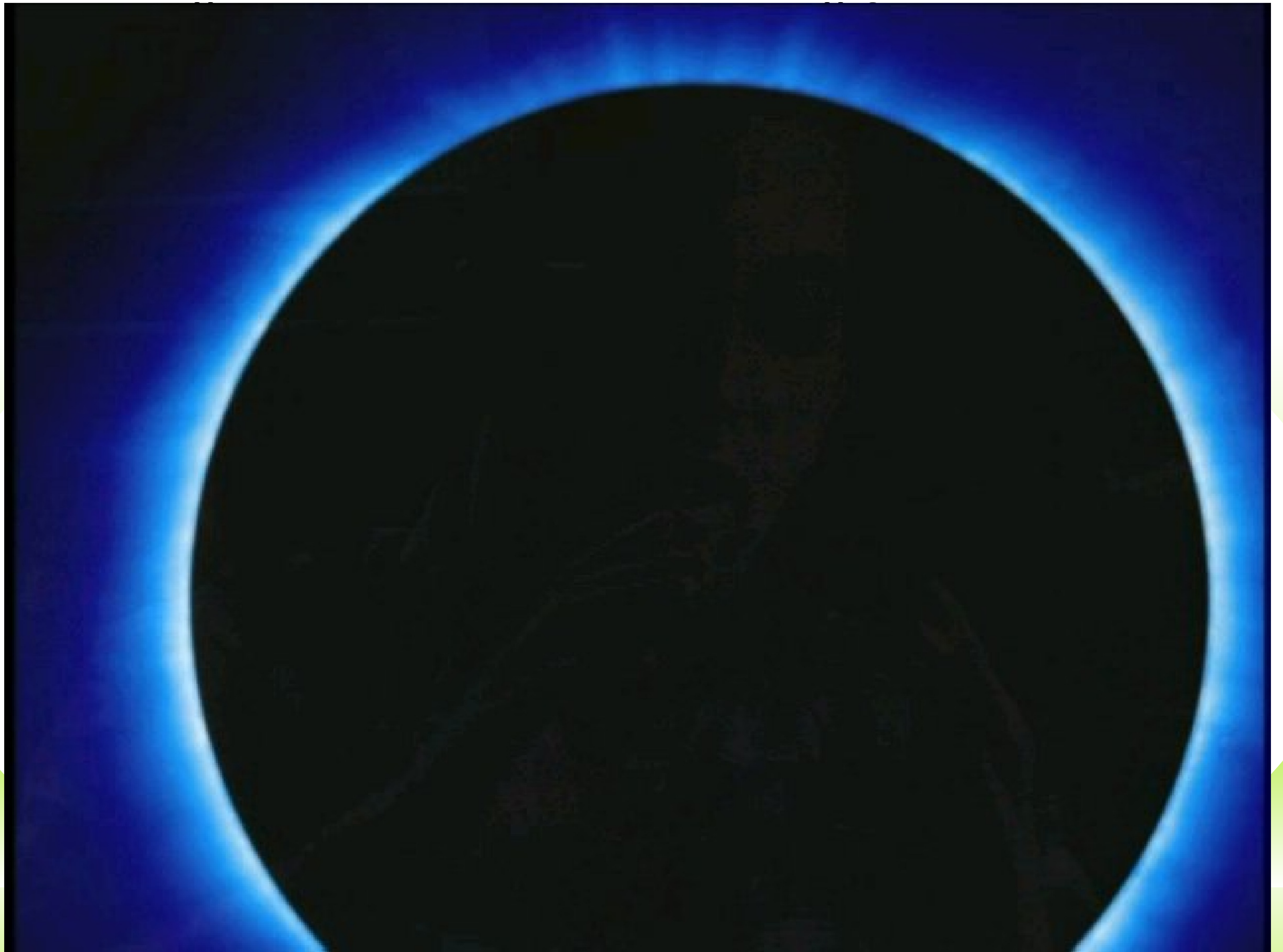


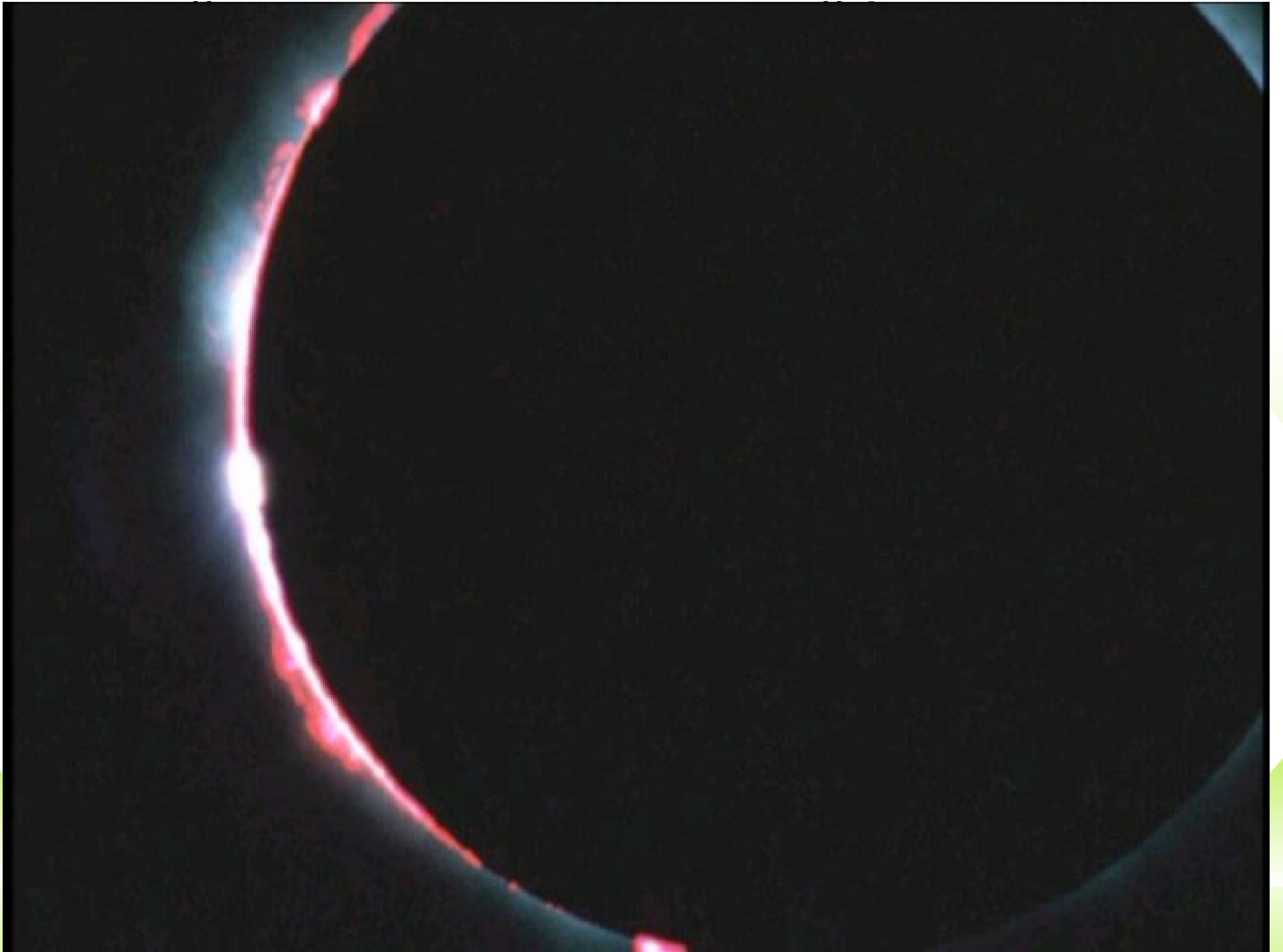
# The Moon size and position allows for eclipses and scientific observations













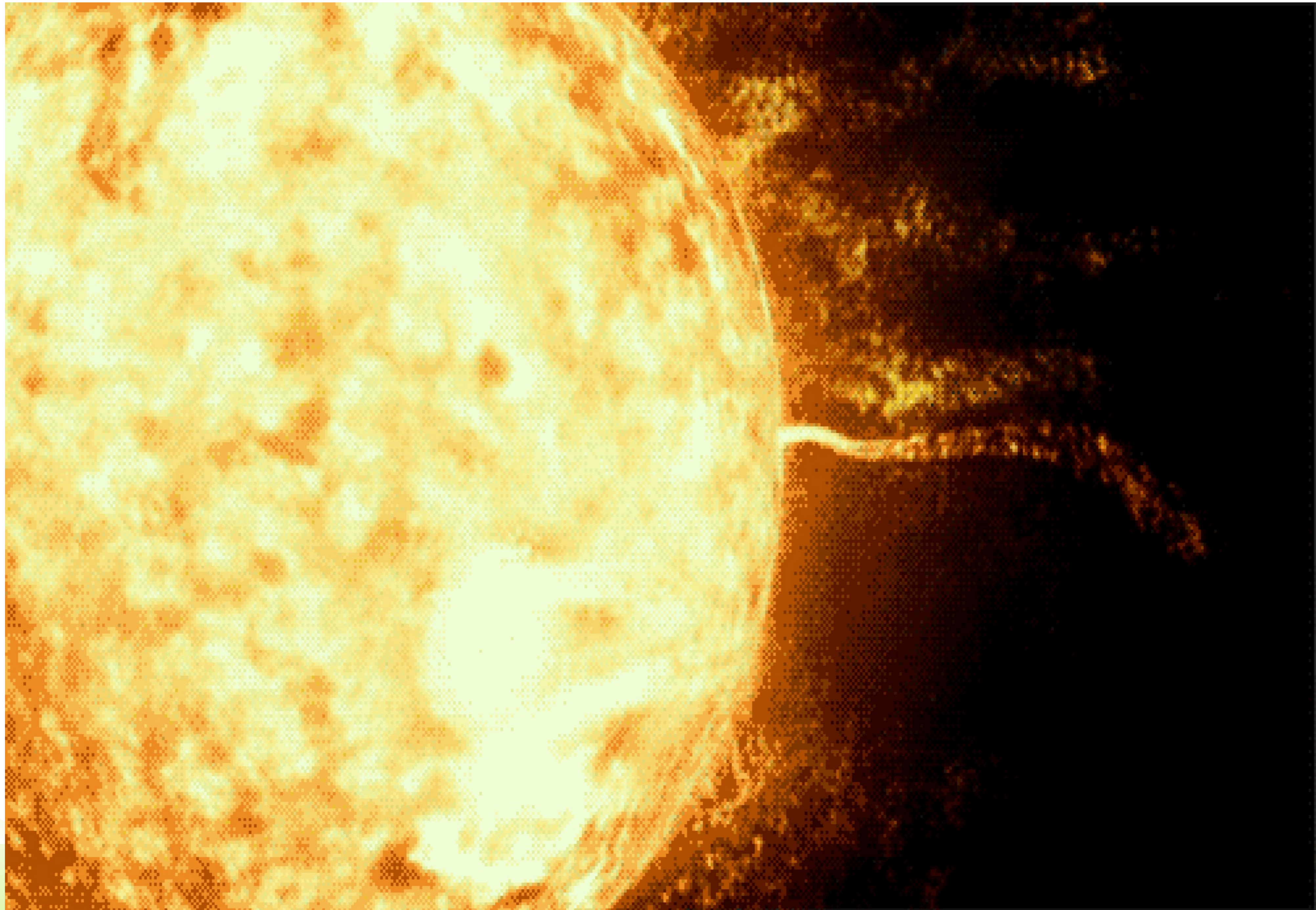




**The Sun is a white dwarf star... with intense nuclear activity**



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## **A warning in Deuteronomy 4.19**

**And when you look up to the heavens and see the sun, the moon, and the stars, all the host of heaven, do not be led astray and bow down to them and serve them, things that the LORD your God has allotted to all the peoples everywhere under heaven.**

## **A renewal of the Universe, in Revelation 21.1-4**

**Then I saw a new heaven and a new earth; for the first heaven and the first earth had passed away, and the sea was no more.**

**And I saw the holy city, the new Jerusalem, coming down out of heaven from God, prepared as a bride adorned for her husband.**

**And I heard a loud voice from the throne saying,  
“See, the home<note:Gk tabernacle> of God is among  
mortals. He will dwell<note:Gk tabernacle> with them as  
their God;<note:Other ancient authorities lack as their God>**



# Revelation 21.4-7, 22-24



