

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 7th 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

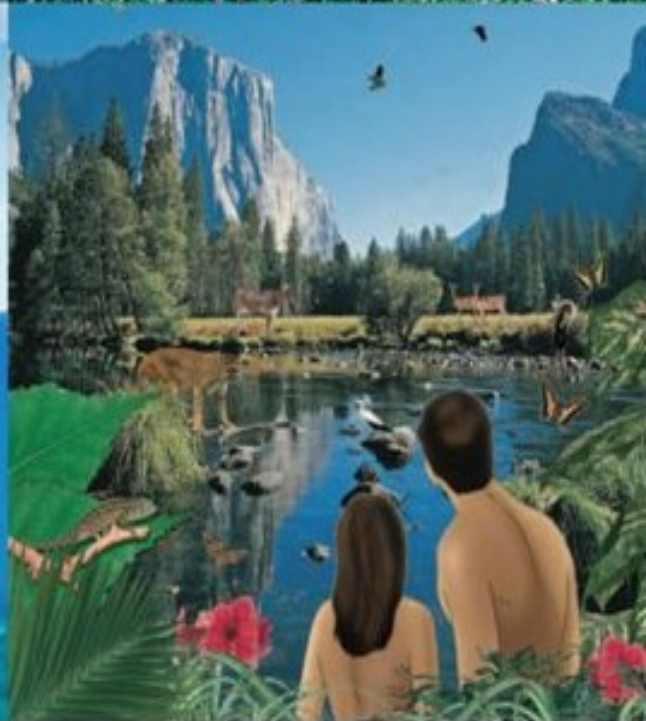
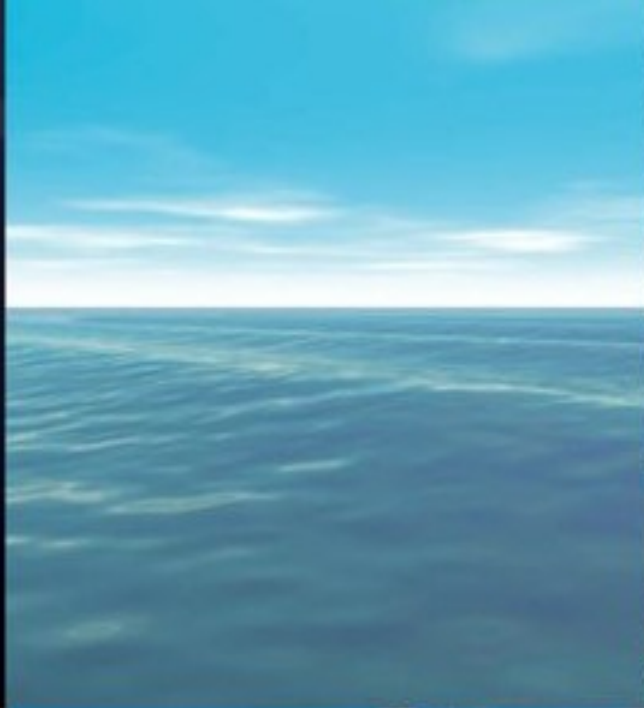
1:14-18, 4th day, **sun – moon pair**

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 4th 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 4th Day?**

The 4th Day, Genesis 1:14-16

14And 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:

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

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

The 4th 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

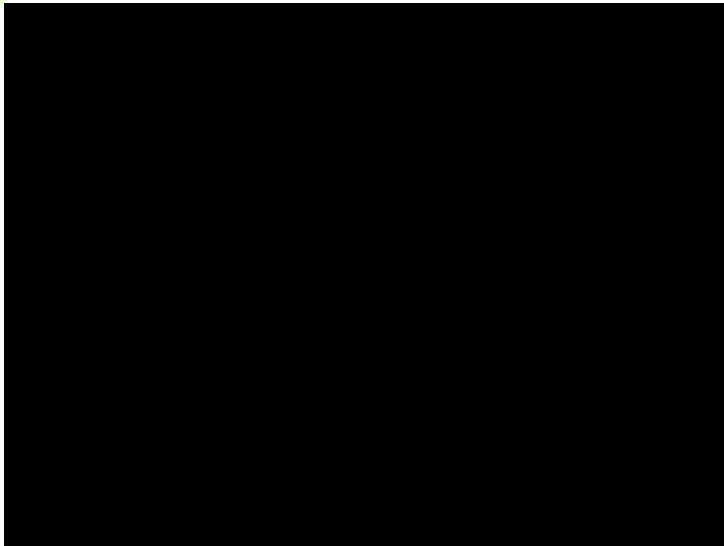
Ephesians 5:8. we are lights in the world, because of the Lord...

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 –
as a wave and as a particle, very often in
laser form (holograms, for example)**



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



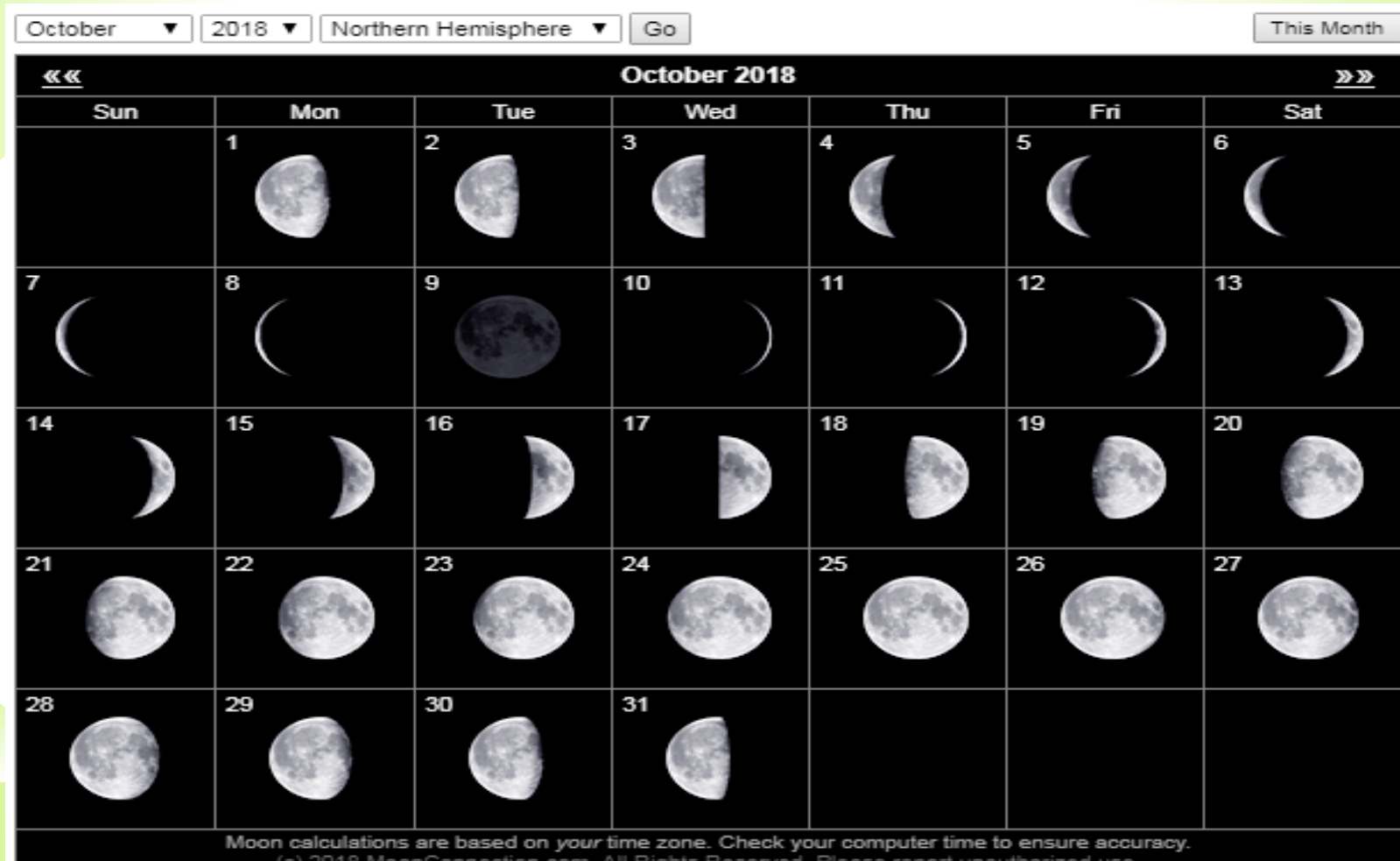
**A picture like this could be seen only in the 4th day...
why?**



The 4th day...



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



The moon's endless dance

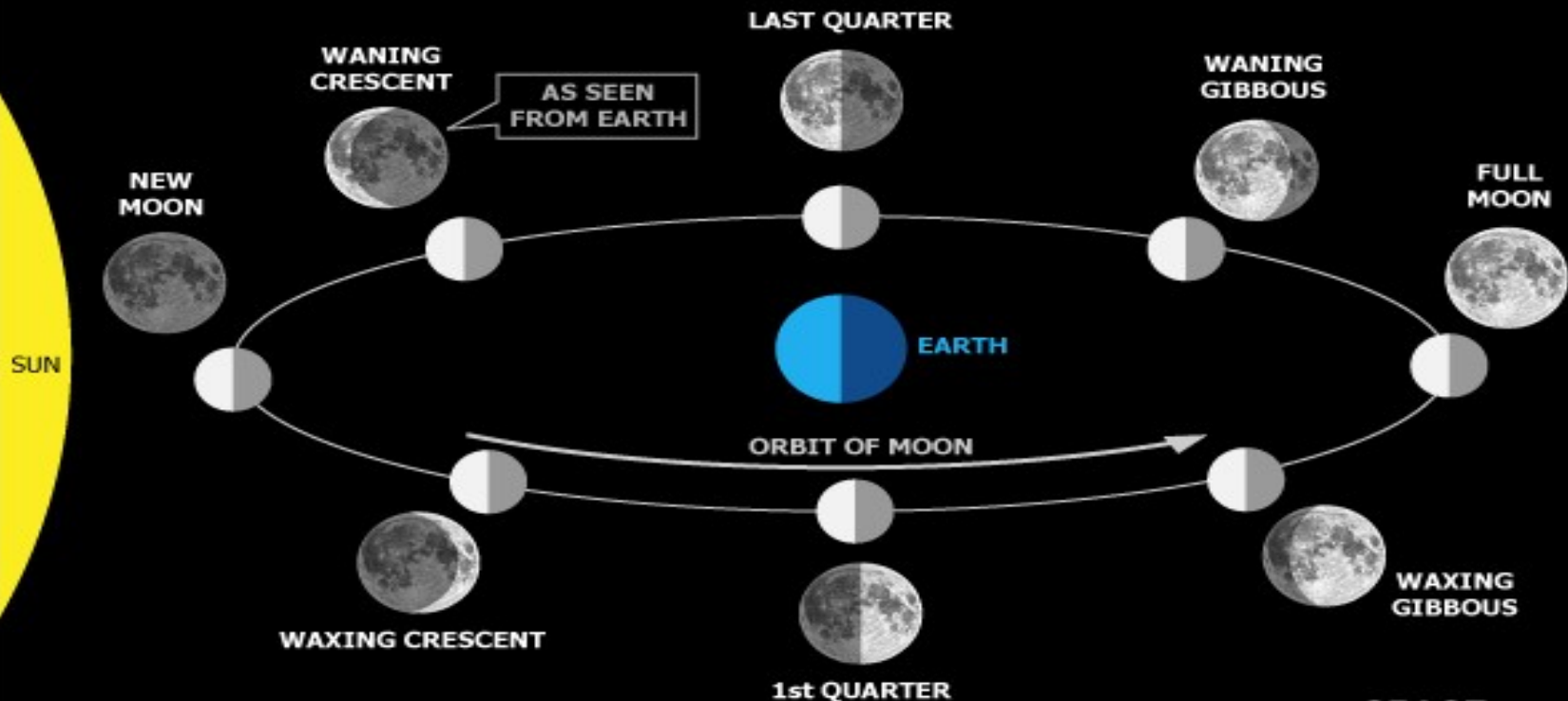
As the Earth and moon orbit the sun together, the pattern of day and night on the lunar surface constantly changes. We refer to the percentage of illumination on the visible face of the moon as the moon's "phase." There are 8 major named phases that have been known throughout human history.



MOON'S "NEAR" SIDE,
VISIBLE FROM EARTH



MOON'S "FAR" SIDE,
HIDDEN FROM EARTH



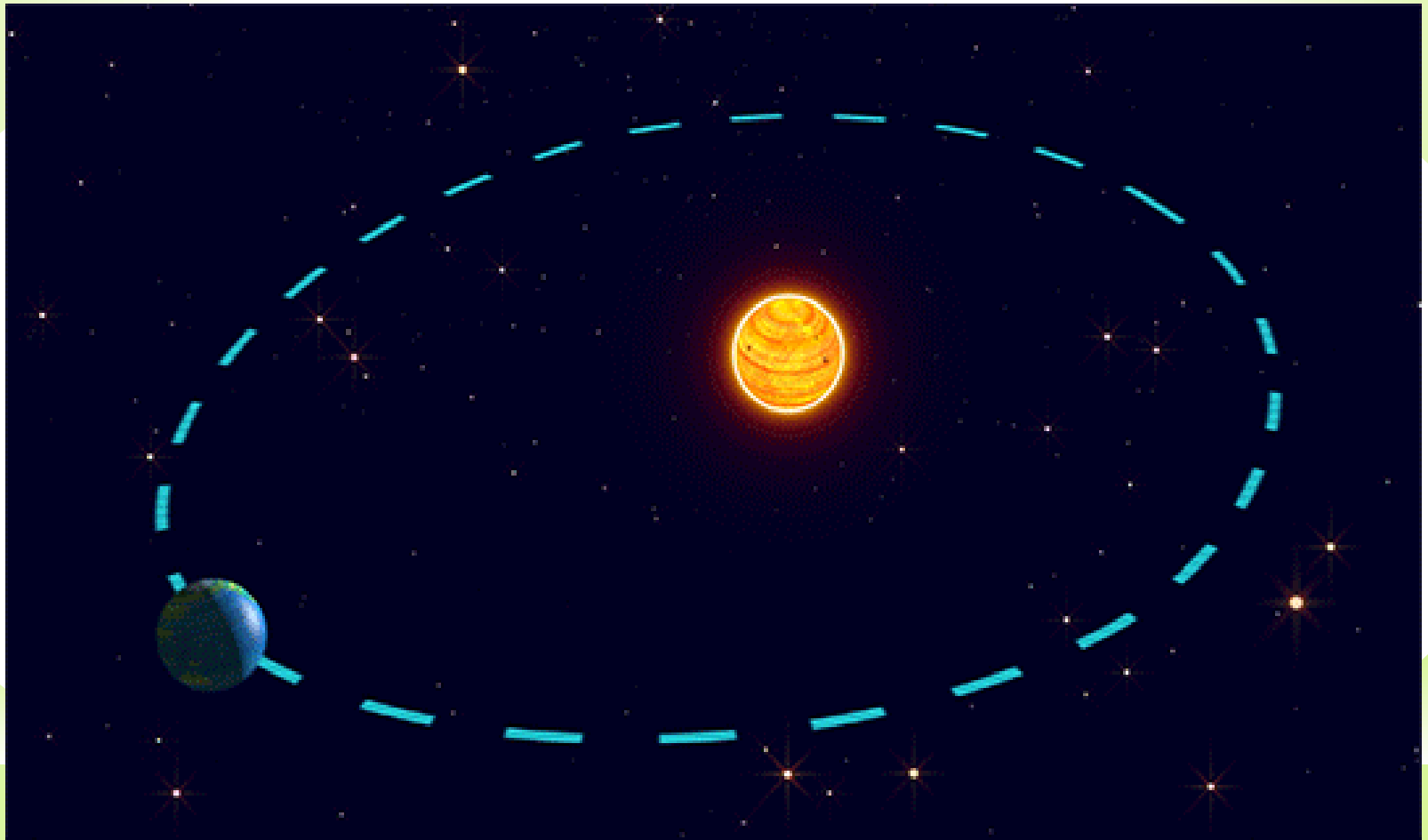
esa



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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



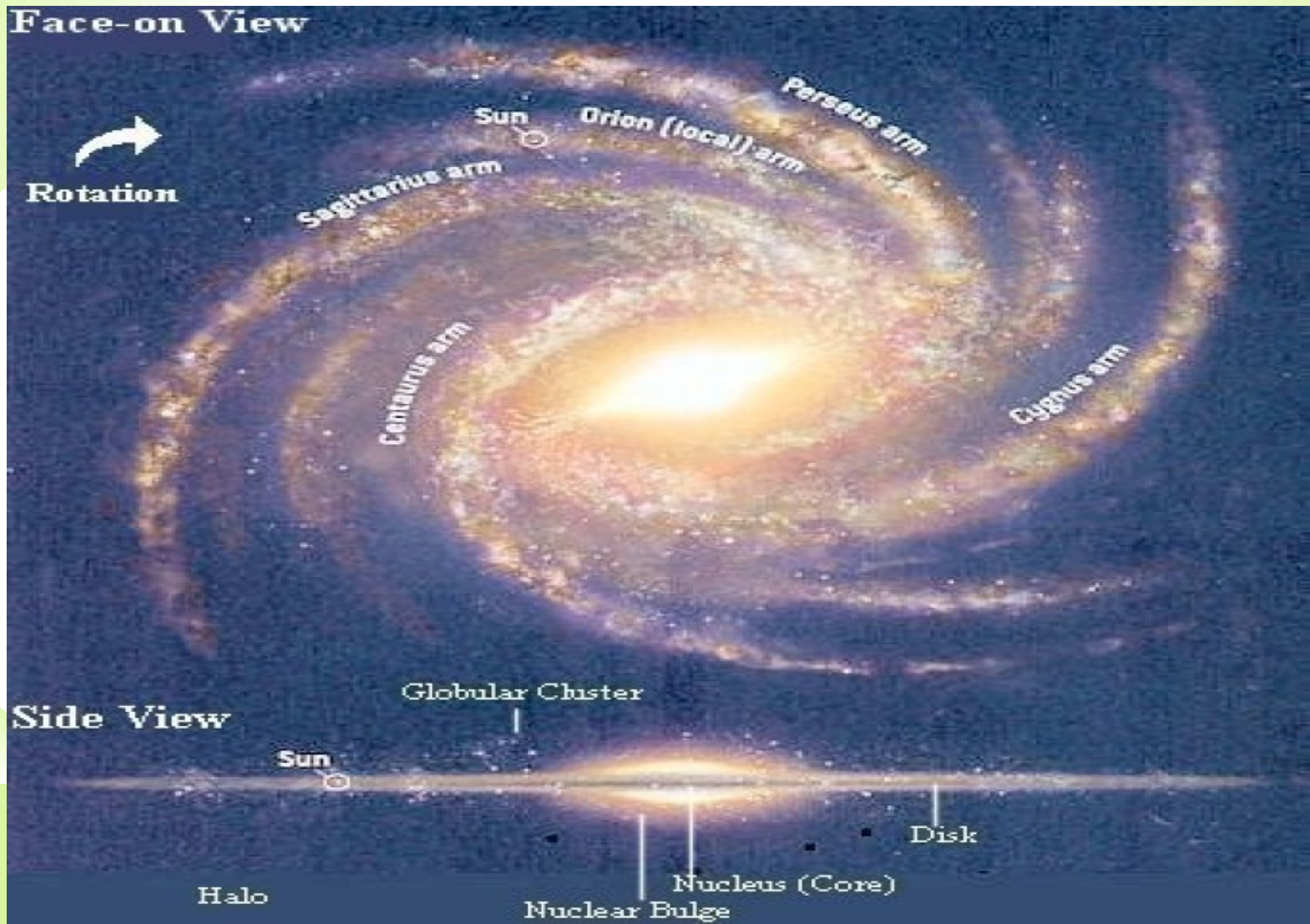
The Milky Way



The Milky Way



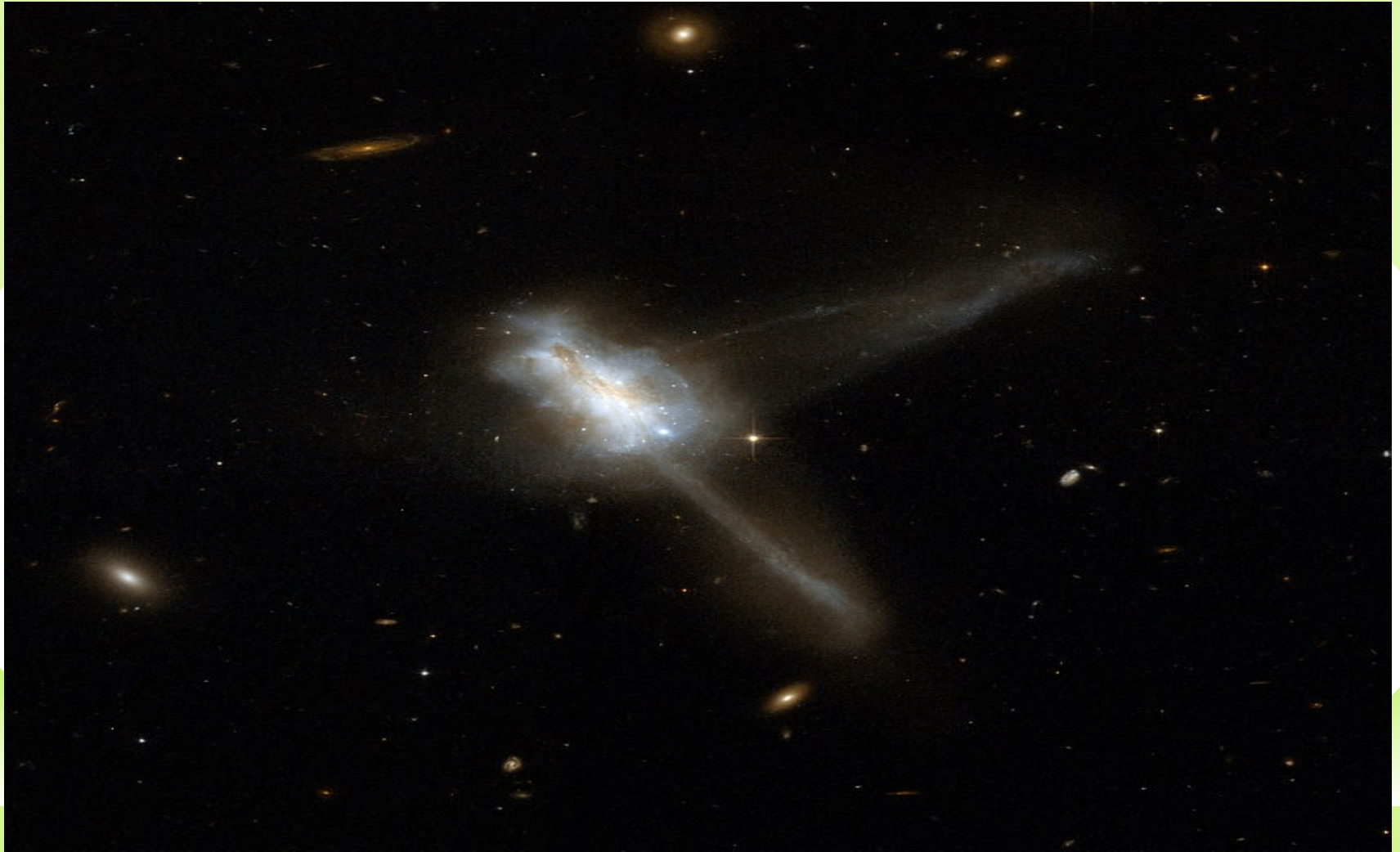
The Milky Way... a big spiral.



Other spirals....



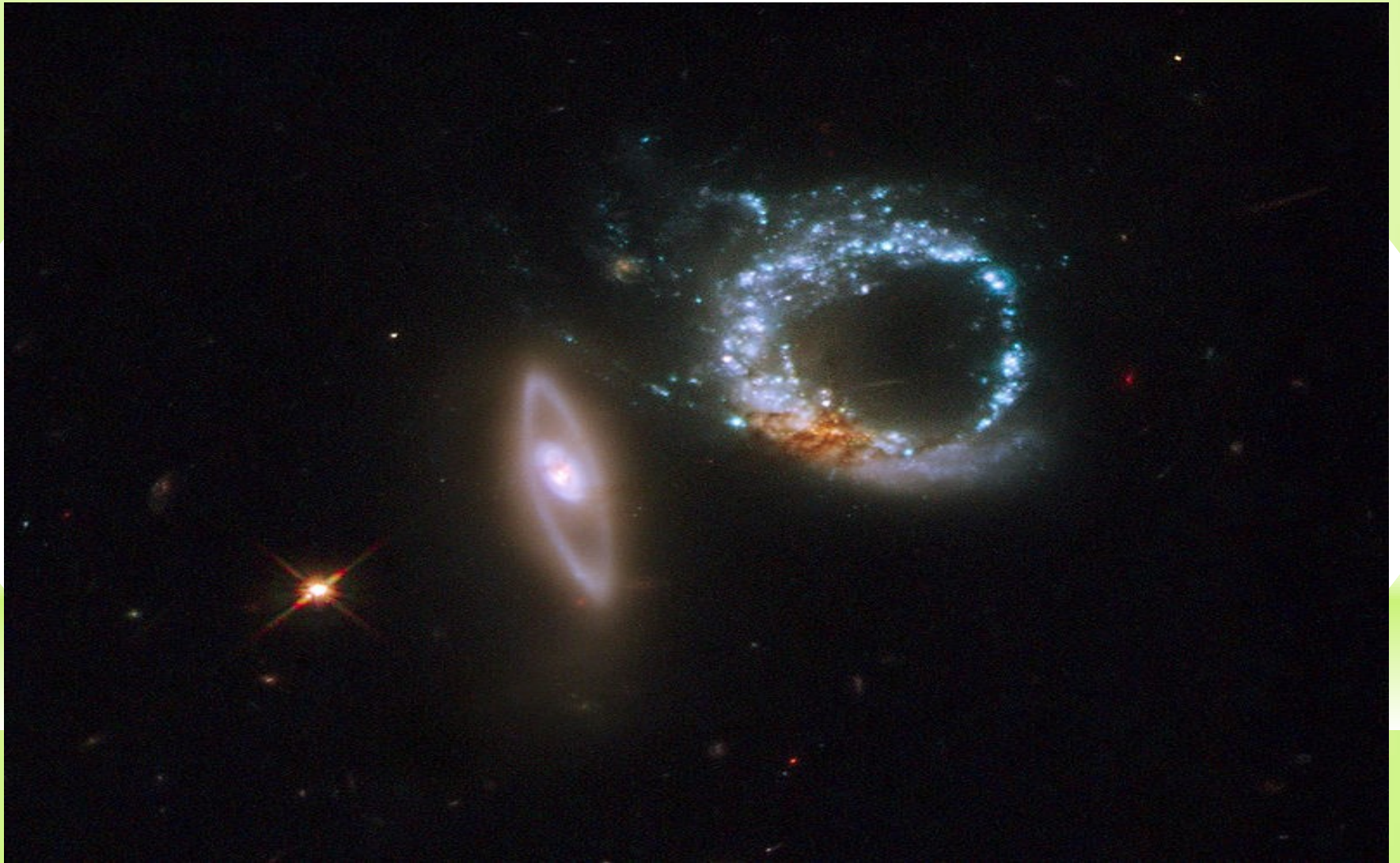
Other galaxies...



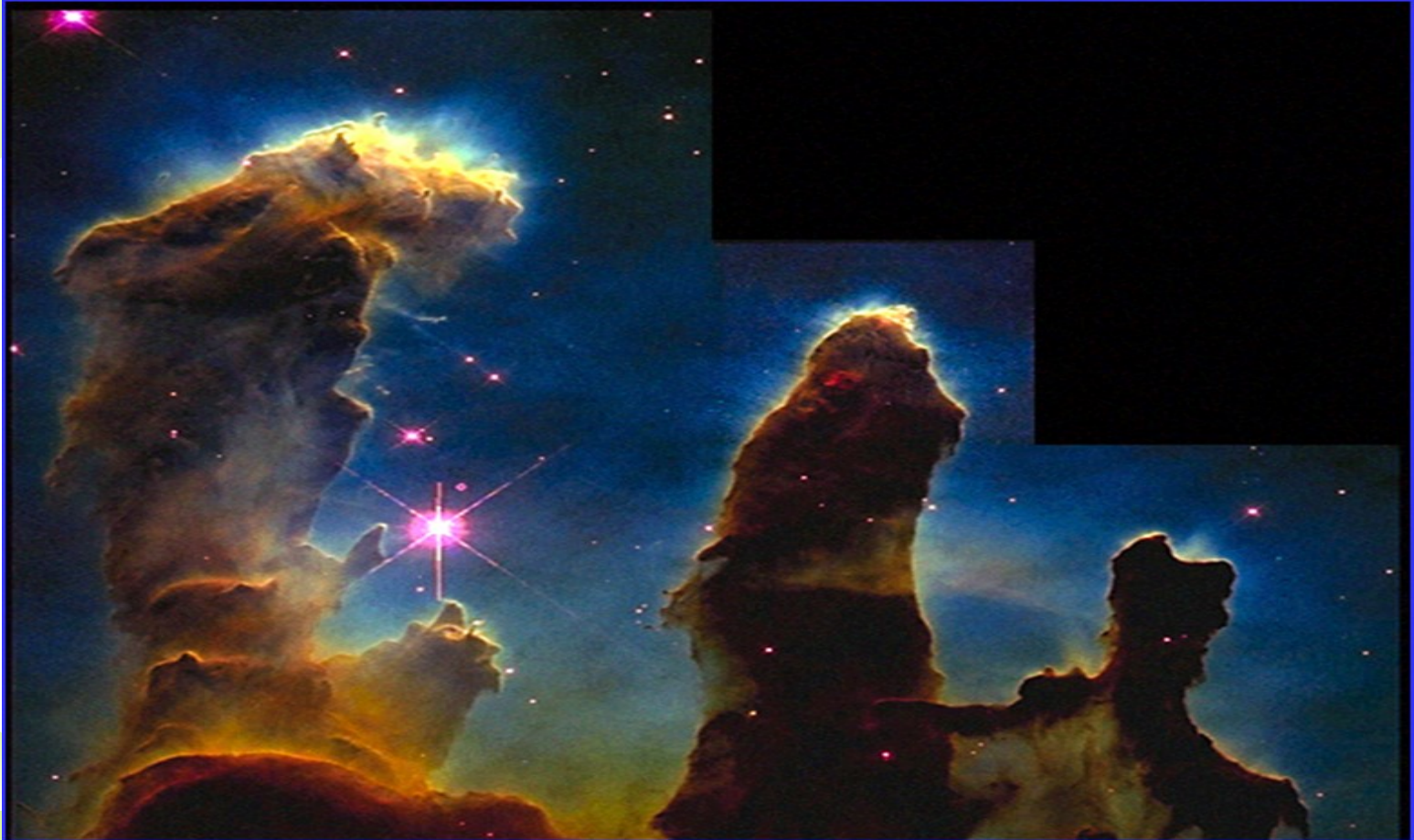
Other galaxies...



Other galaxies...



Other galaxies...



Other galaxies...



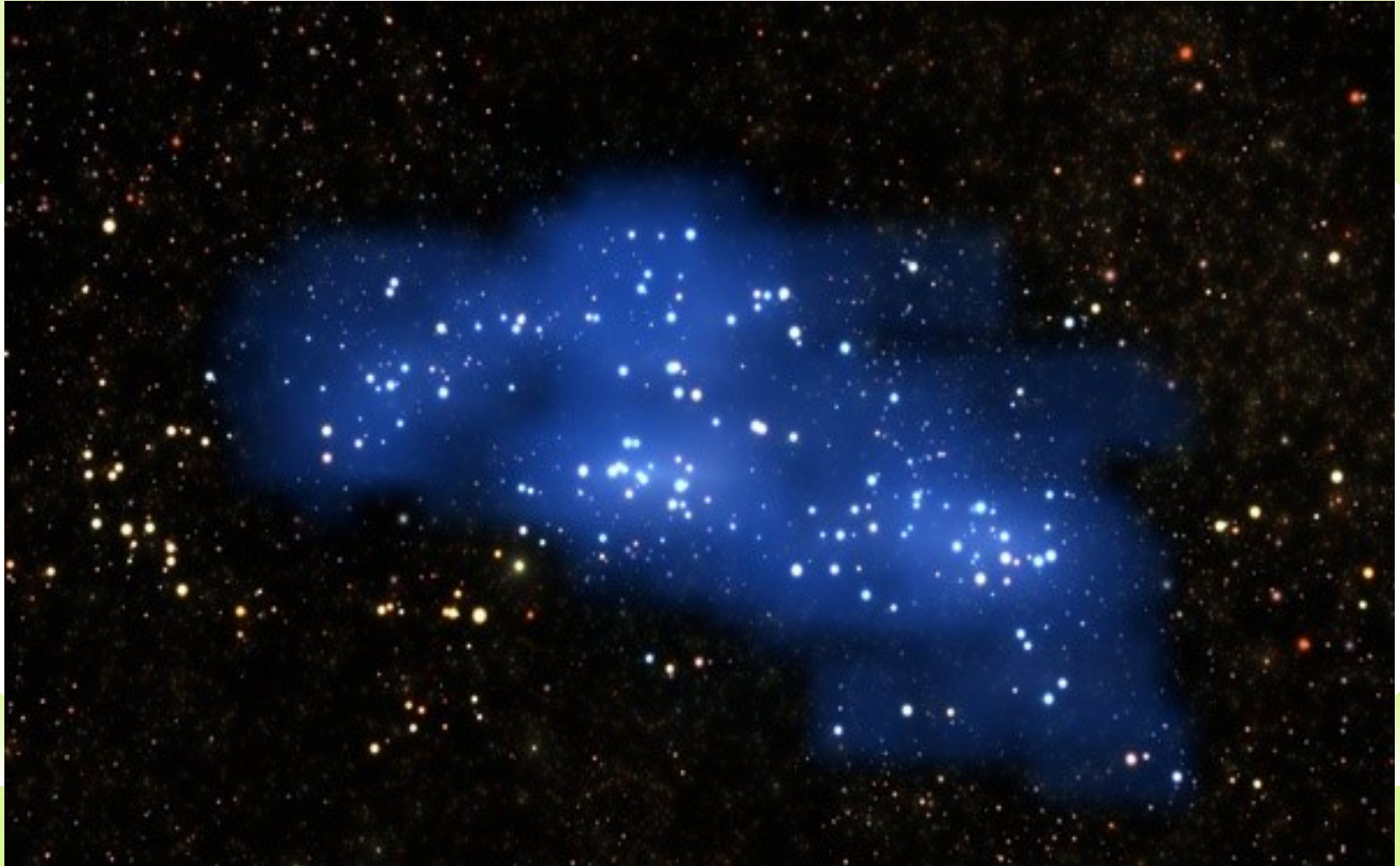
Other galaxies...



Other galaxies...



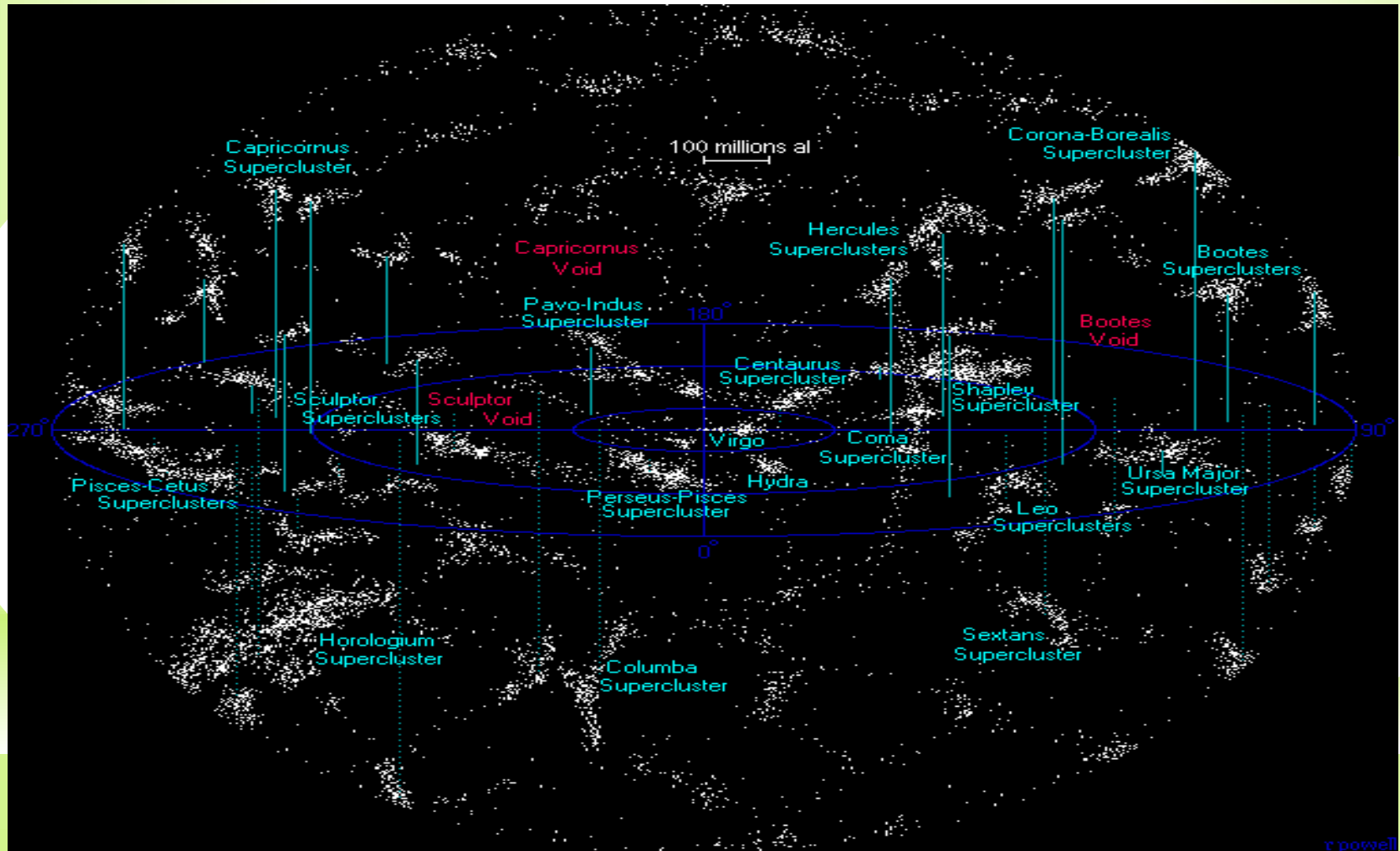
Clusters of galaxies... galactic clusters or clouds...



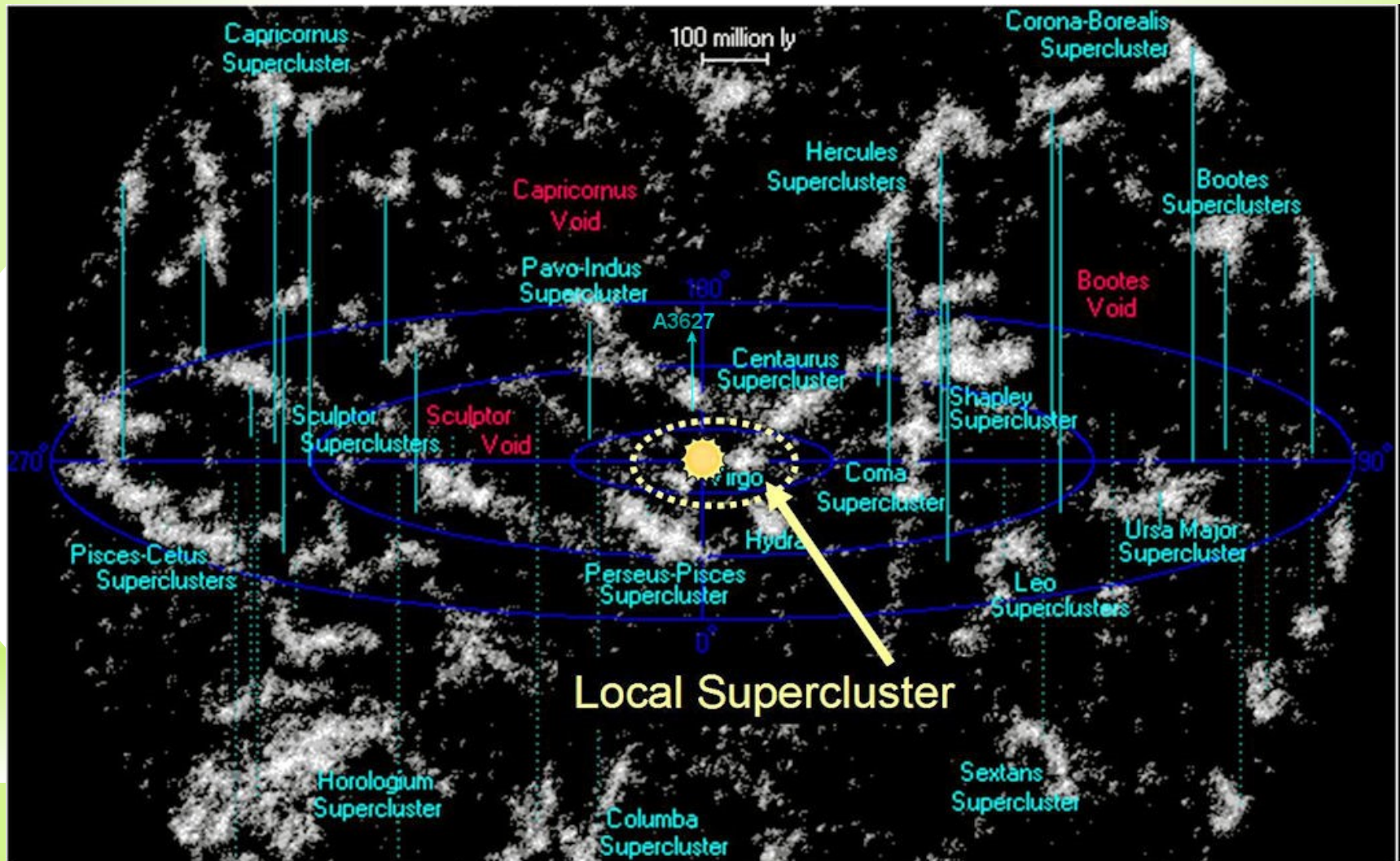
Clusters of galaxies... galactic clusters or clouds...



Groups of galactic clusters...



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



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

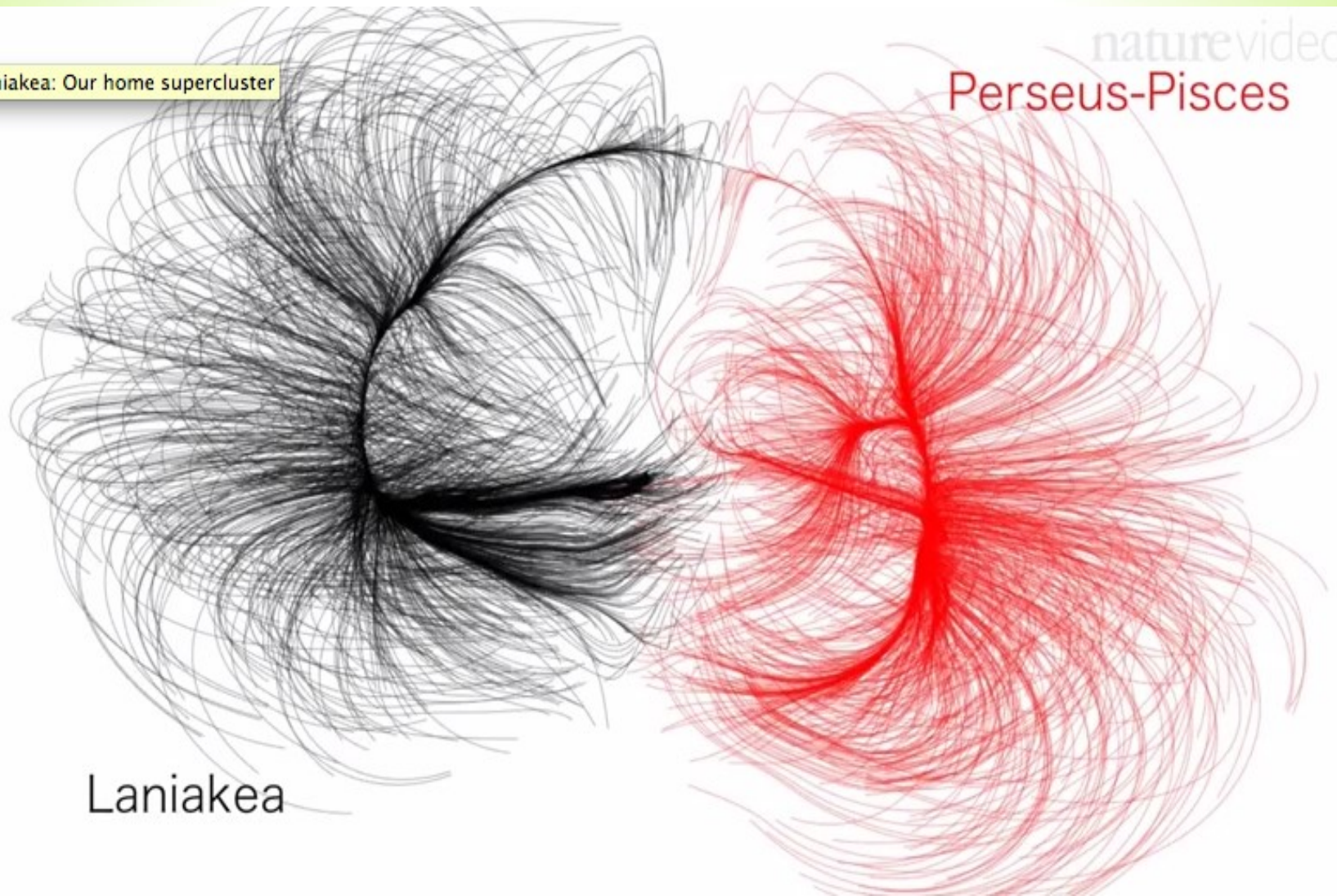


Two neighbouring super-clusters, Laniakea and Perseus-Pisces

Laniakea: Our home supercluster

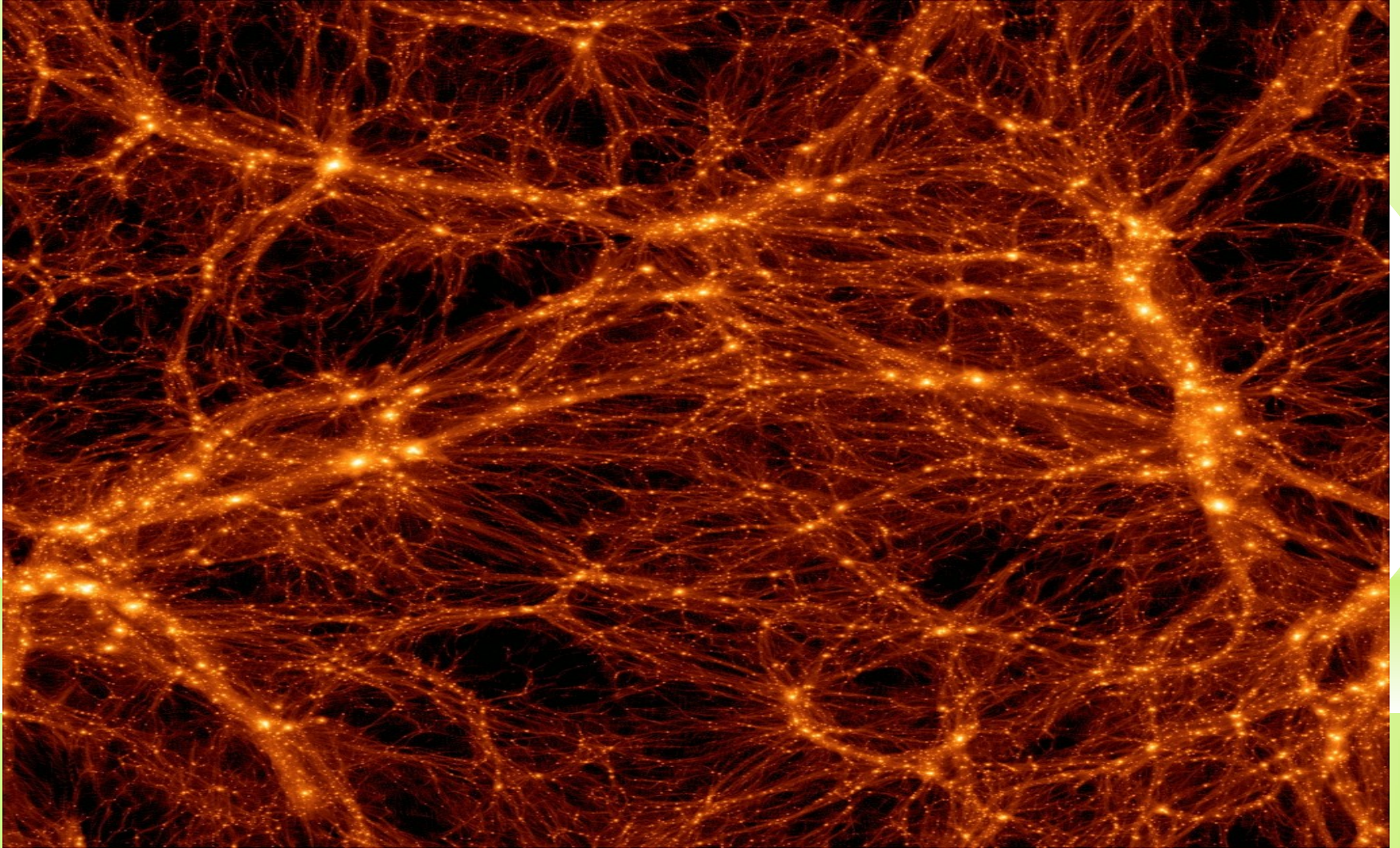
nature video

Perseus-Pisces

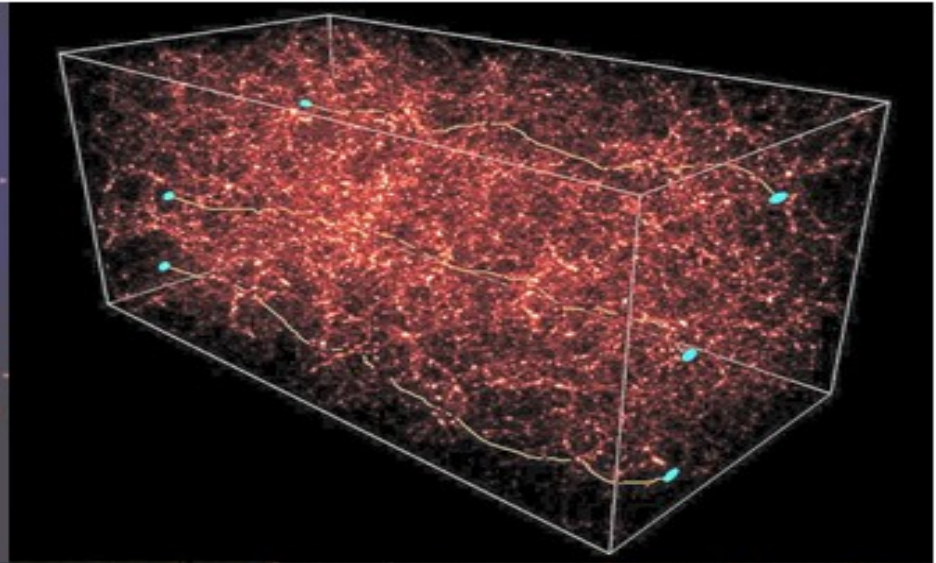


Laniakea

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



The super-clusters network is very complex...



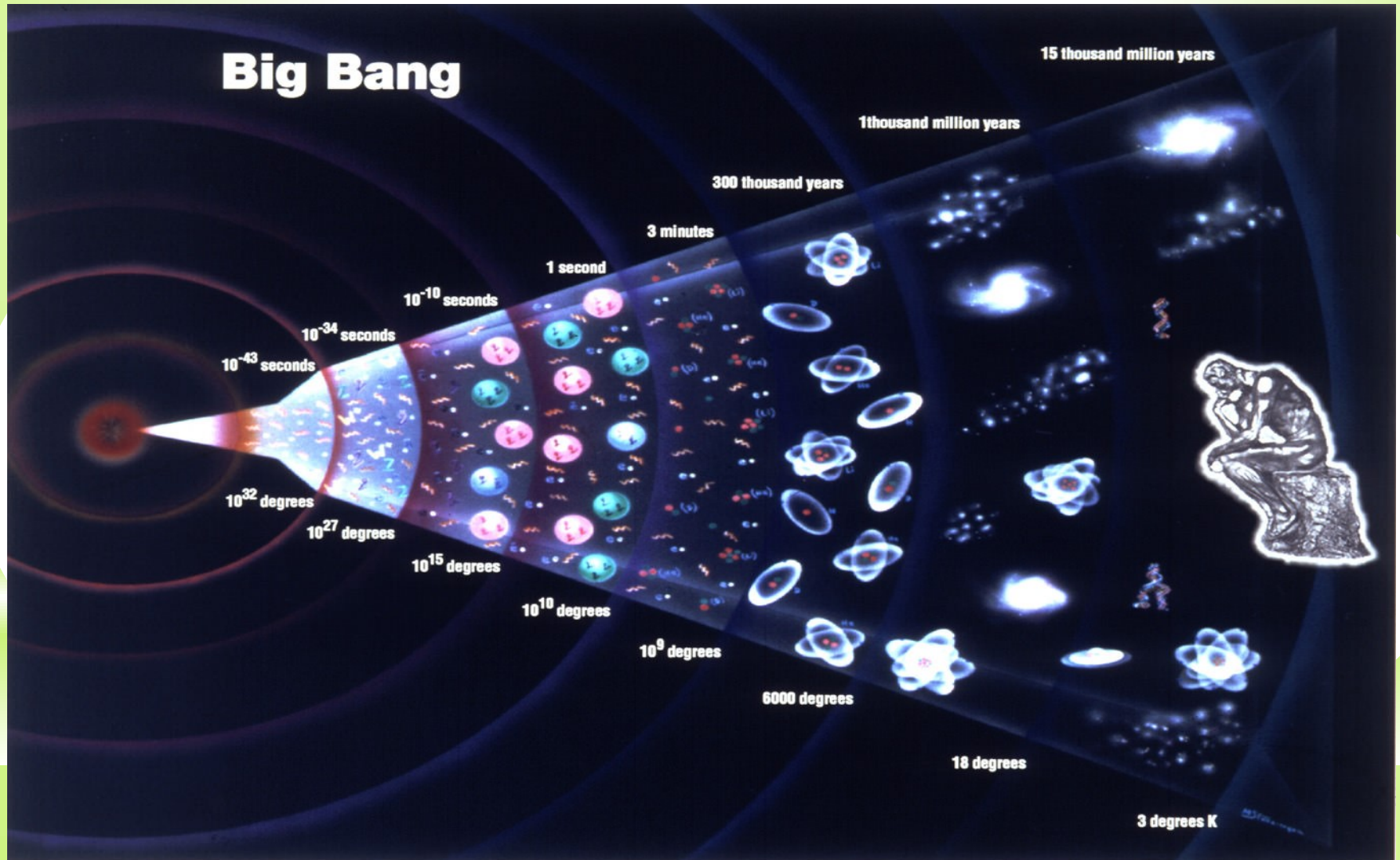
Did it all start with a Big-Bang ?...



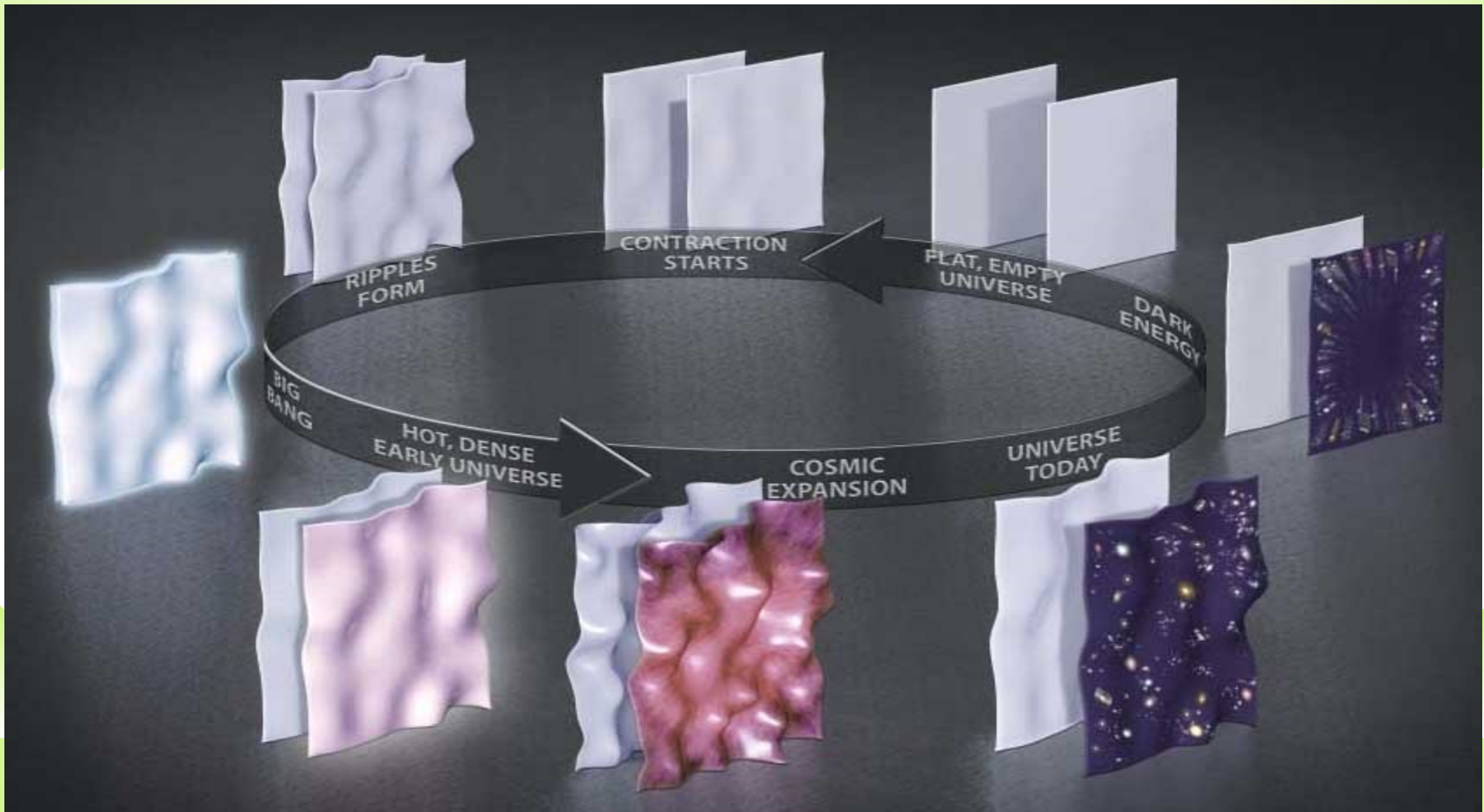
Did it all start with a Big-Bang ?...



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

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

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

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

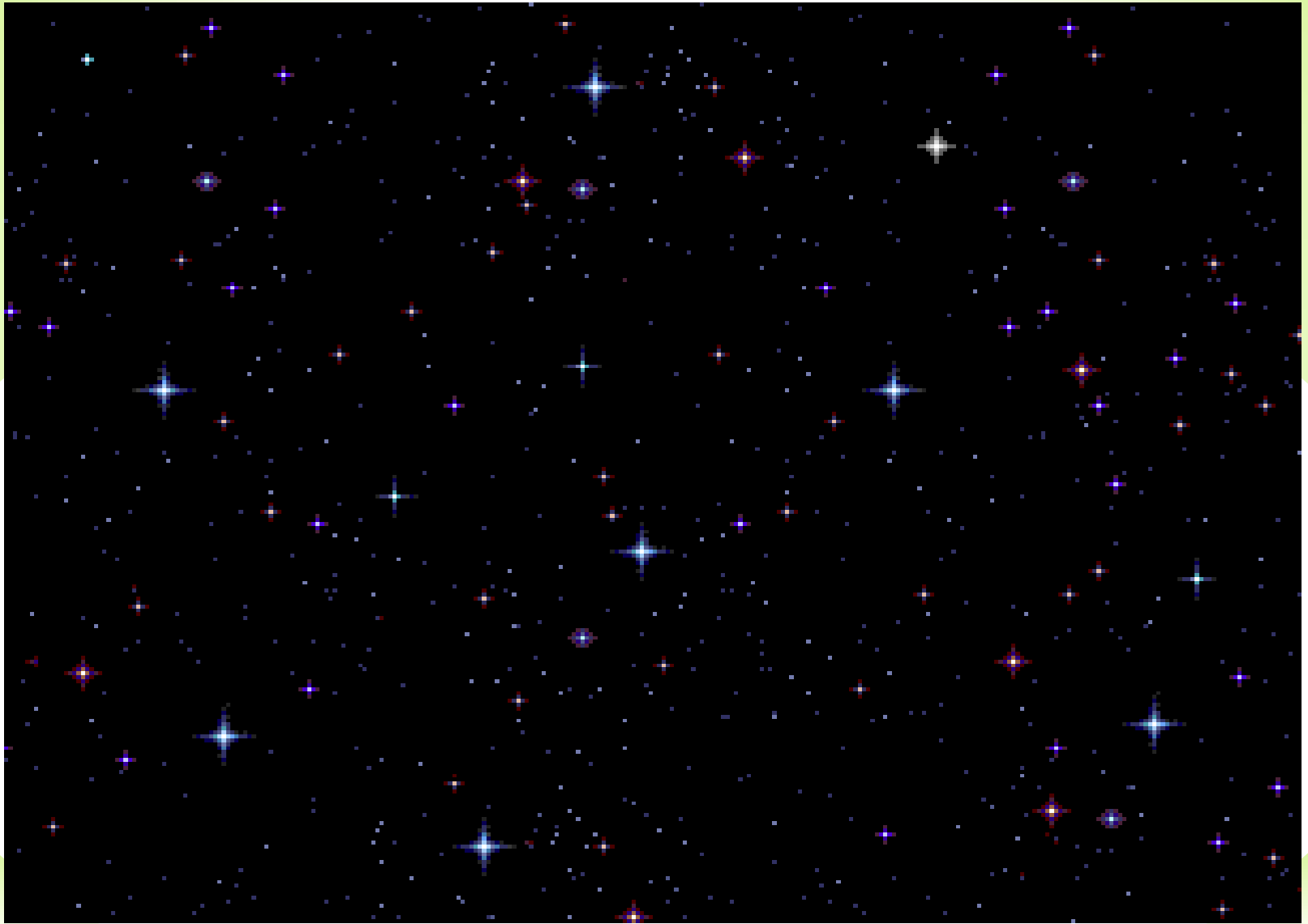
4You make your angels winds, and your servants flames of fire.

Revelation 6.

12When 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.

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

14The 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



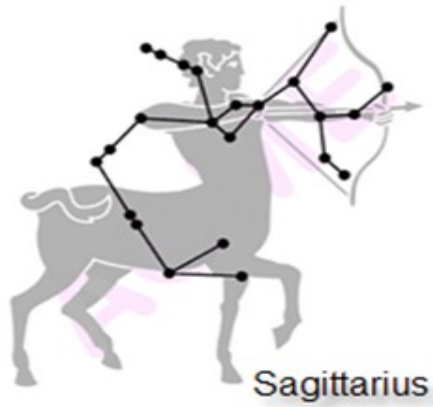
LIBRA



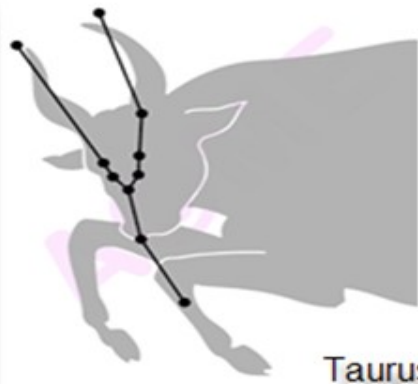
LEO



CANCER



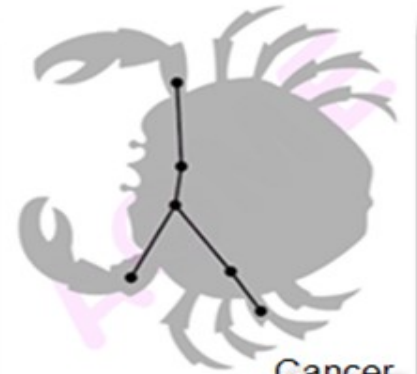
Sagittarius



Taurus



Gemini



Cancer



Leo



Virgo



Libra



Scorpio



Aries



Capricorn



Aquarius



Pisces



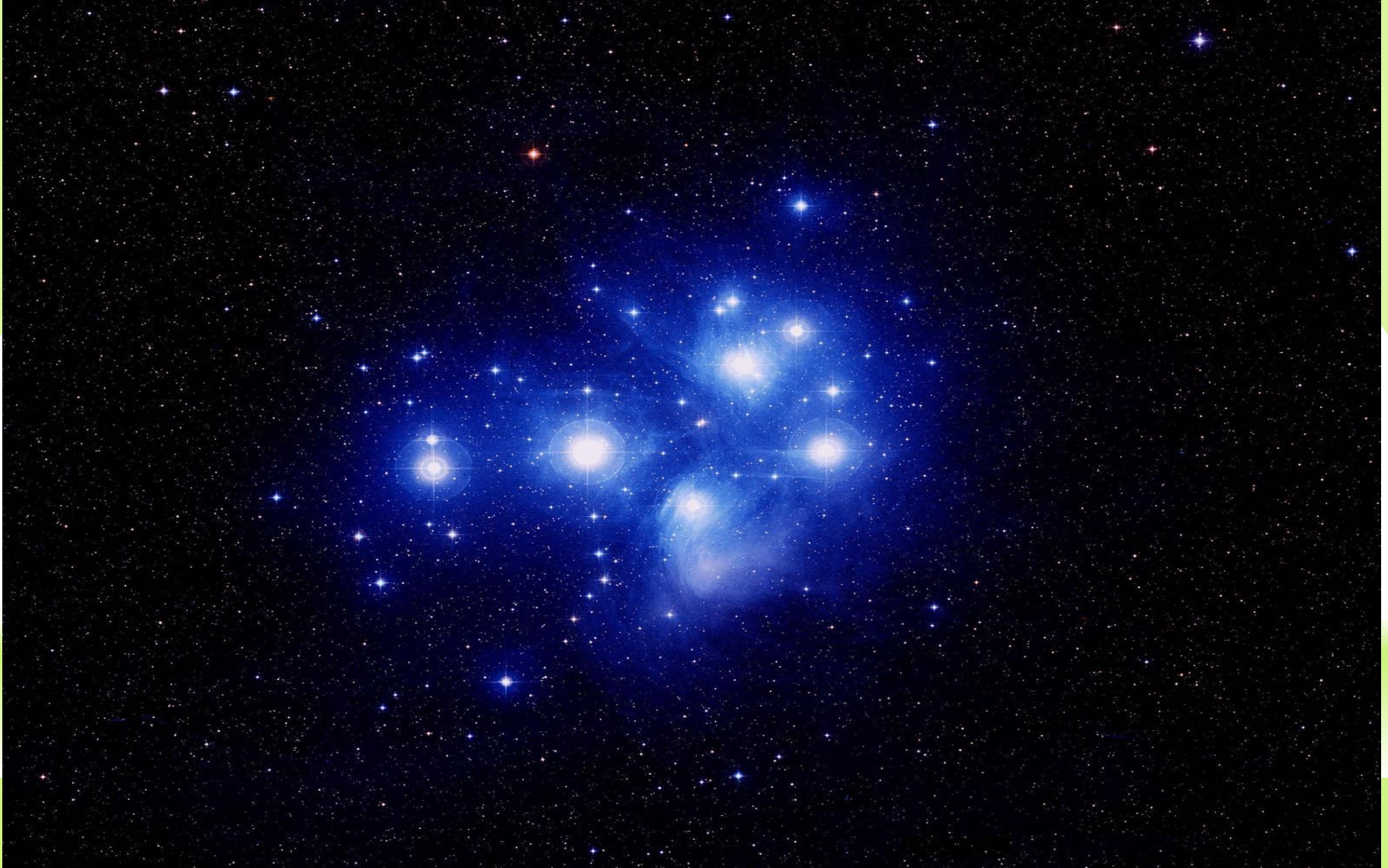
JOB 38:31-36

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

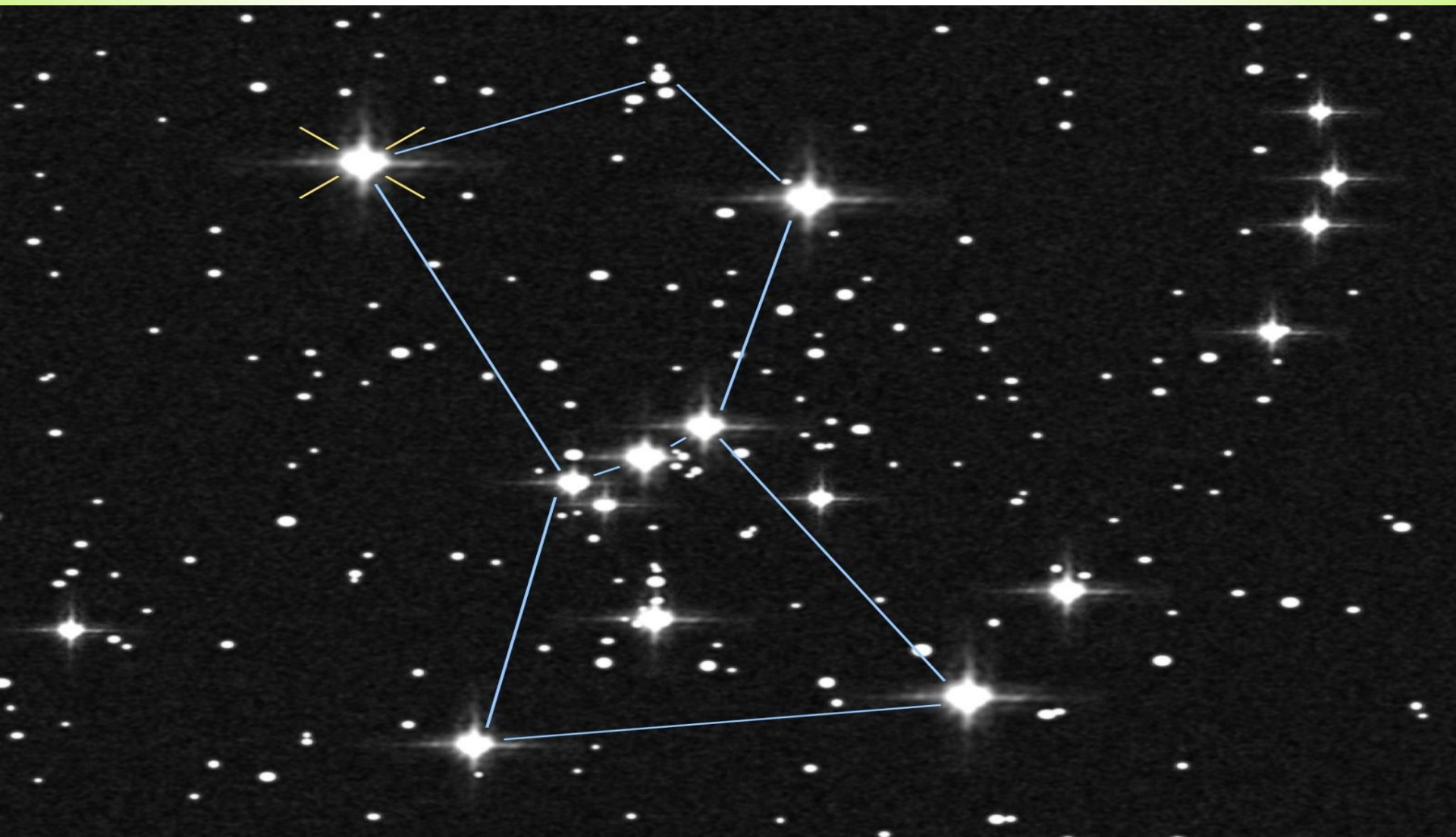
32 Can you guide the stars of Mazzarothk at the right time? Can you direct the Great Bear constellation and its other stars?

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

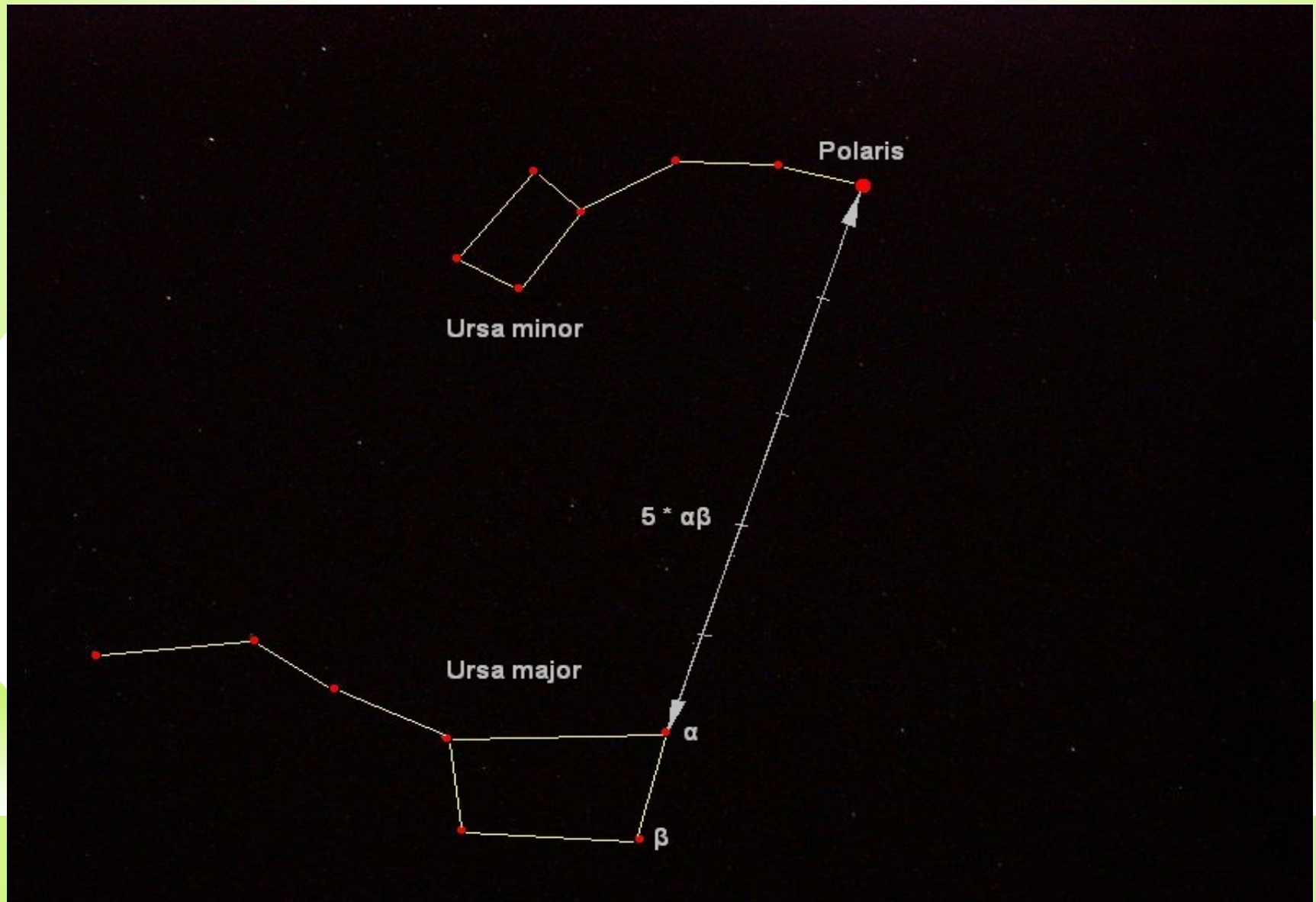
JOB 38:31-36, Pleiades



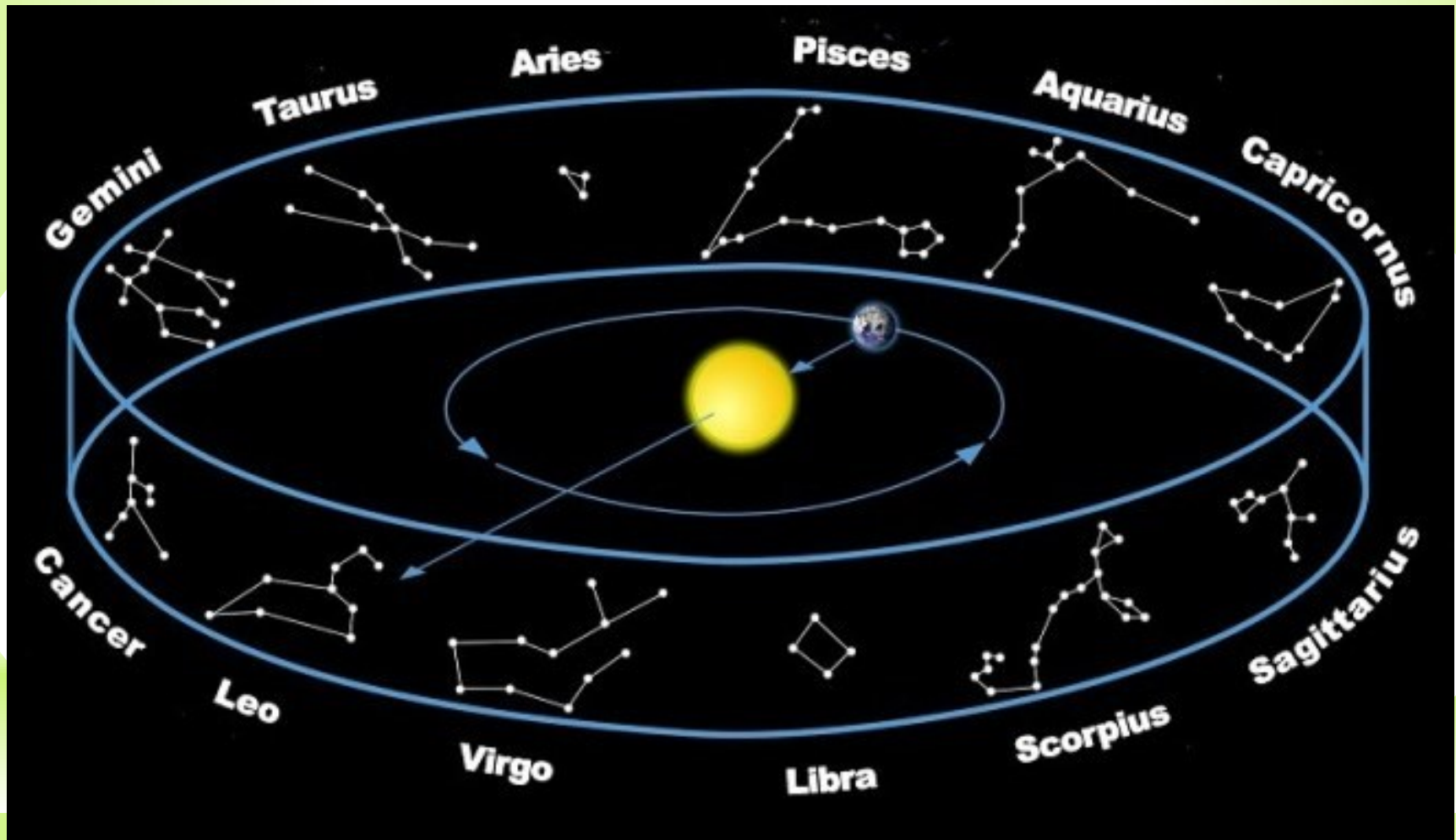
Belt of Orion 38:31-36



The Great Bear, JOB 38:31-36

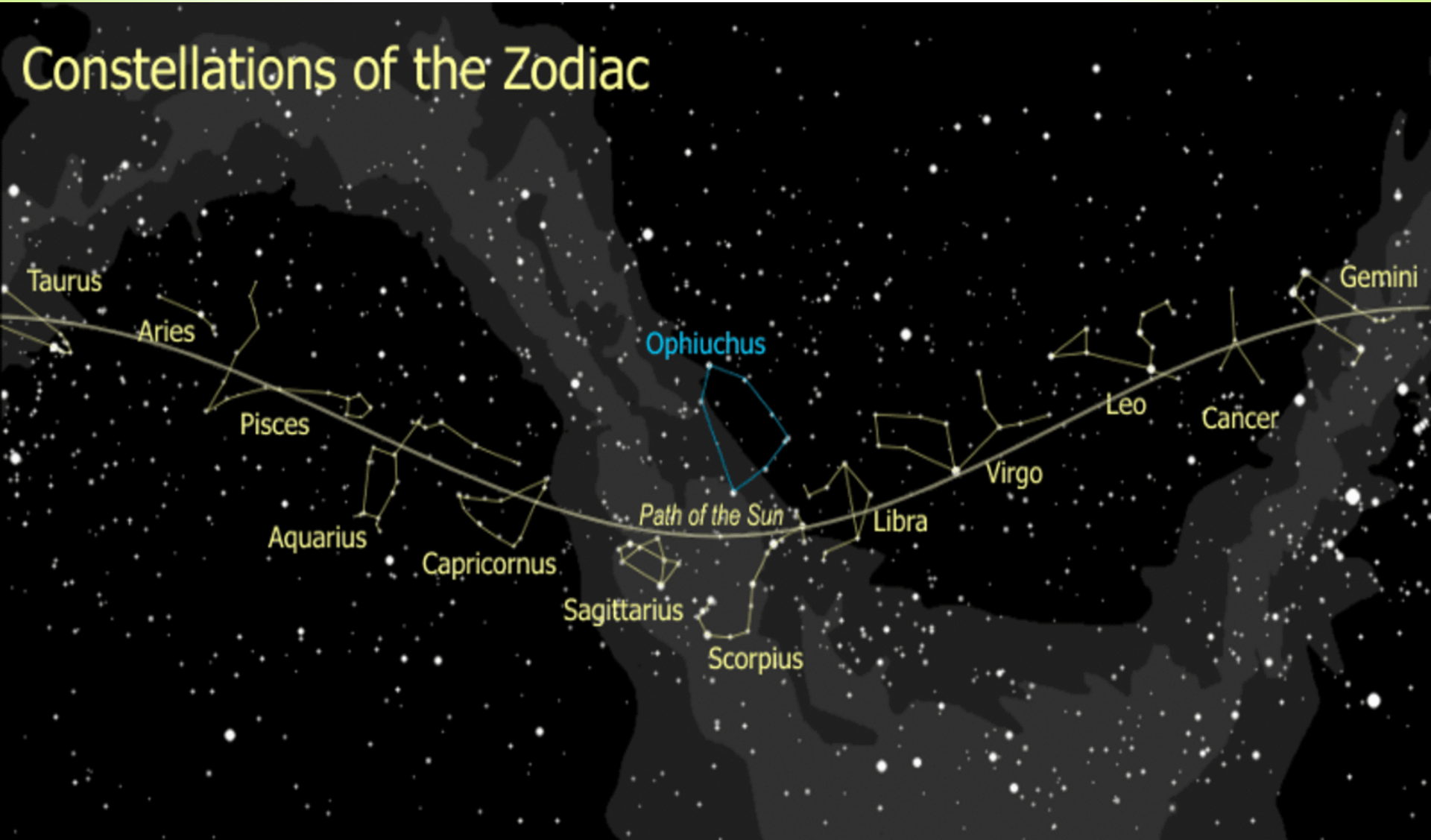


How is Earth `travelling` through the
`houses` of the constellations...



How is the Sun `travelling` through the `houses` of the constellations...

Constellations of the Zodiac



The Bethlehem Star... was it a Star?



Your real address...

EARTH



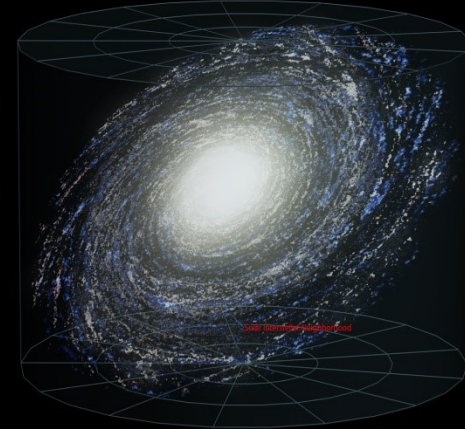
SOLAR SYSTEM



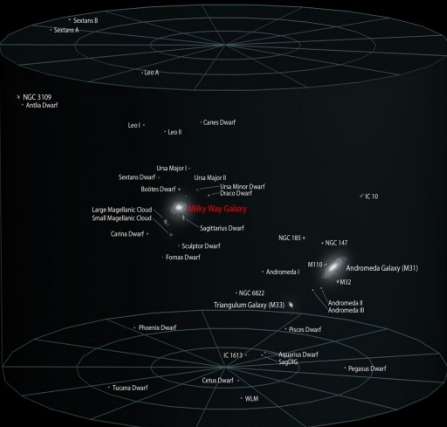
INTERSTELLAR NEIGHBORHOOD



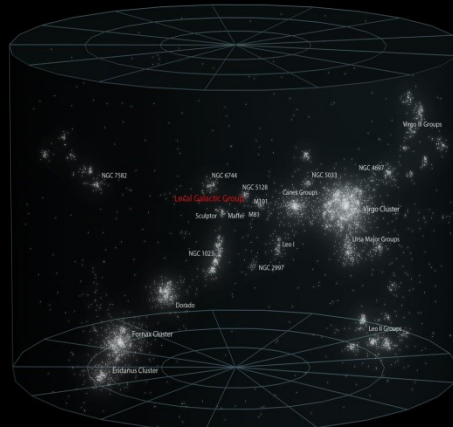
MILKY WAY GALAXY



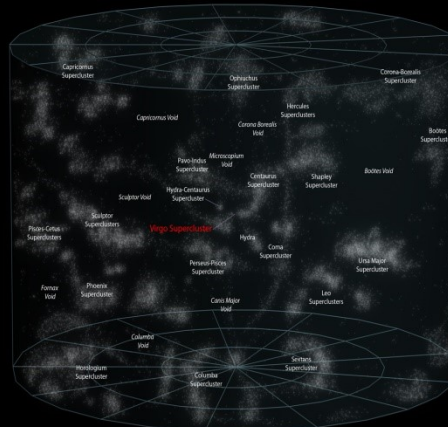
LOCAL GALACTIC GROUP



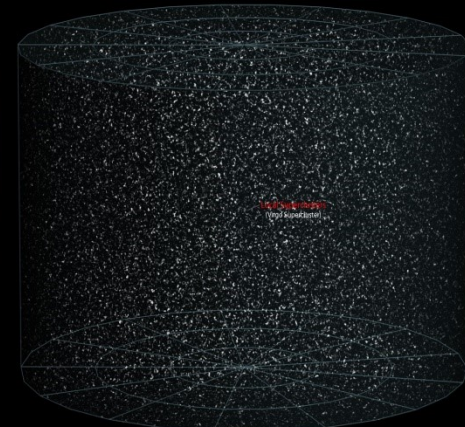
VIRGO SUPERCLUSTER



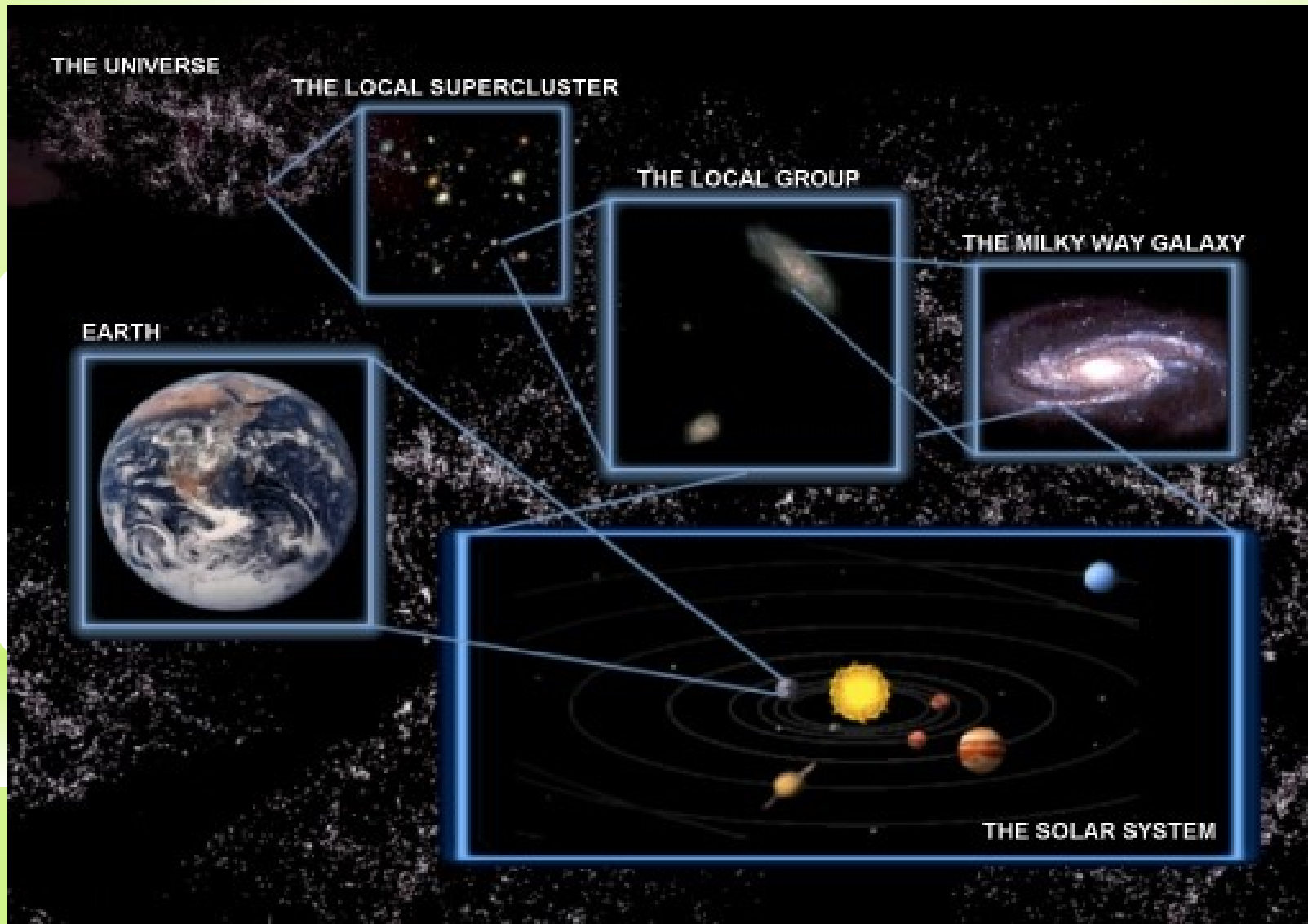
LOCAL SUPERCLUSTERS



OBSERVABLE UNIVERSE



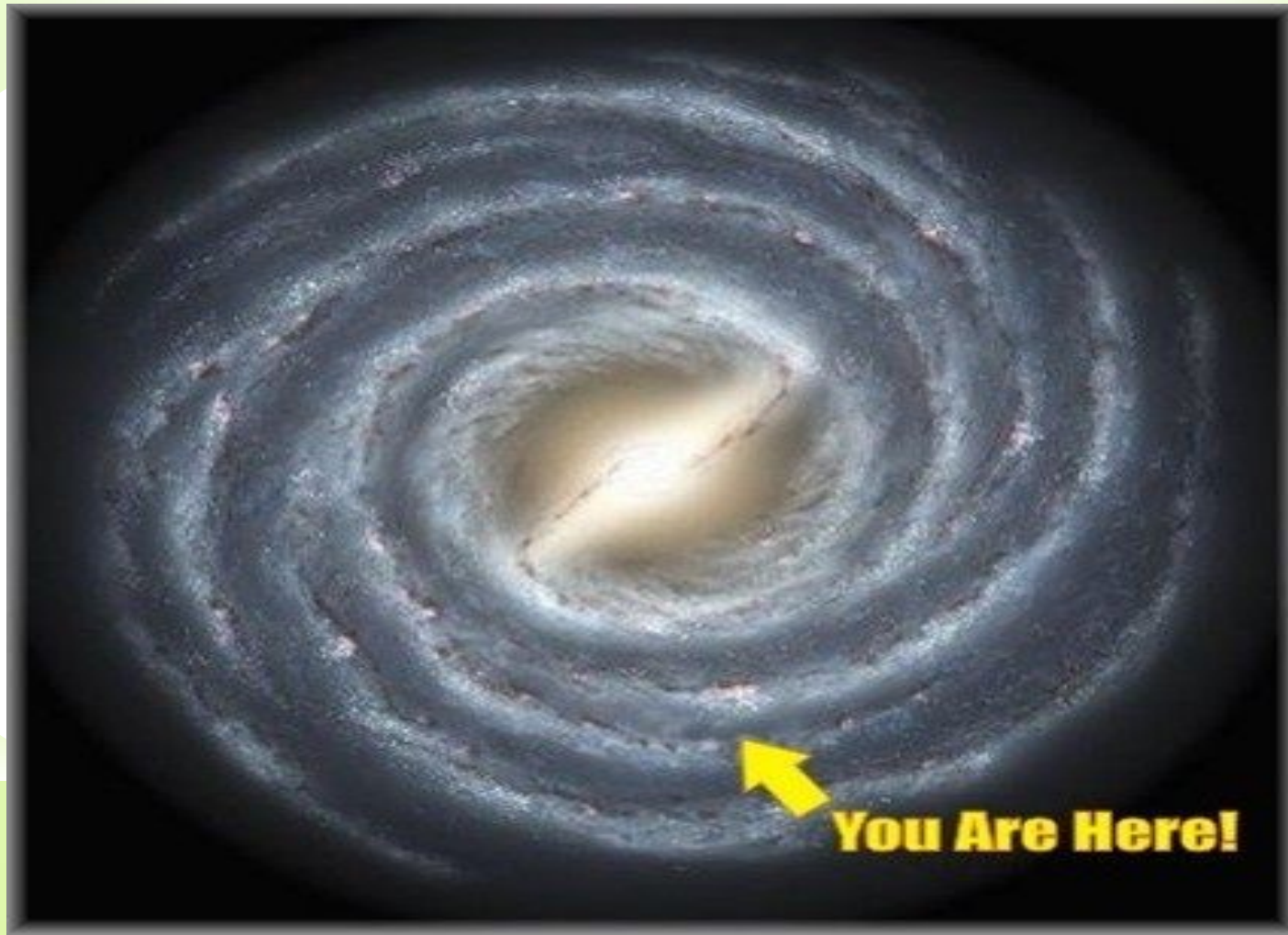
Your real address...



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



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



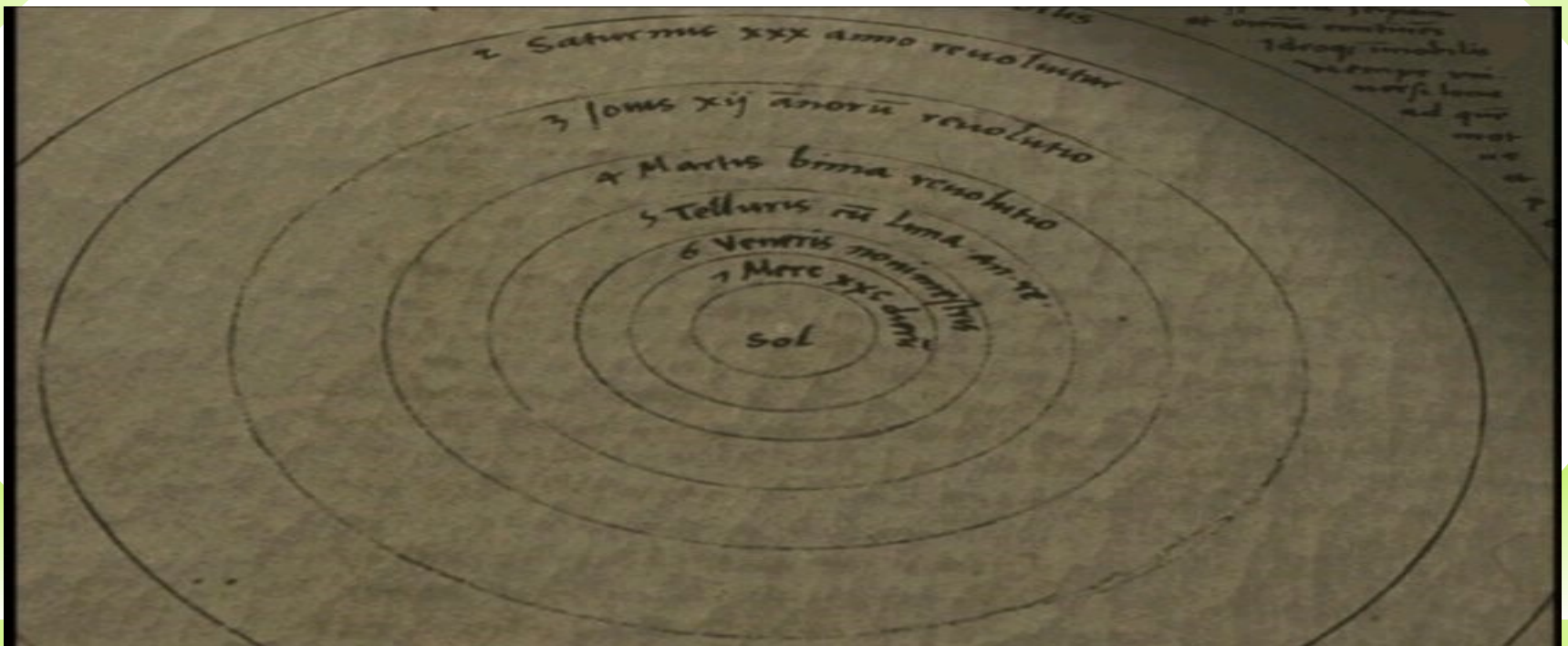
The place of Earth in the Milky Way: the Science ready Habitable Zone



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



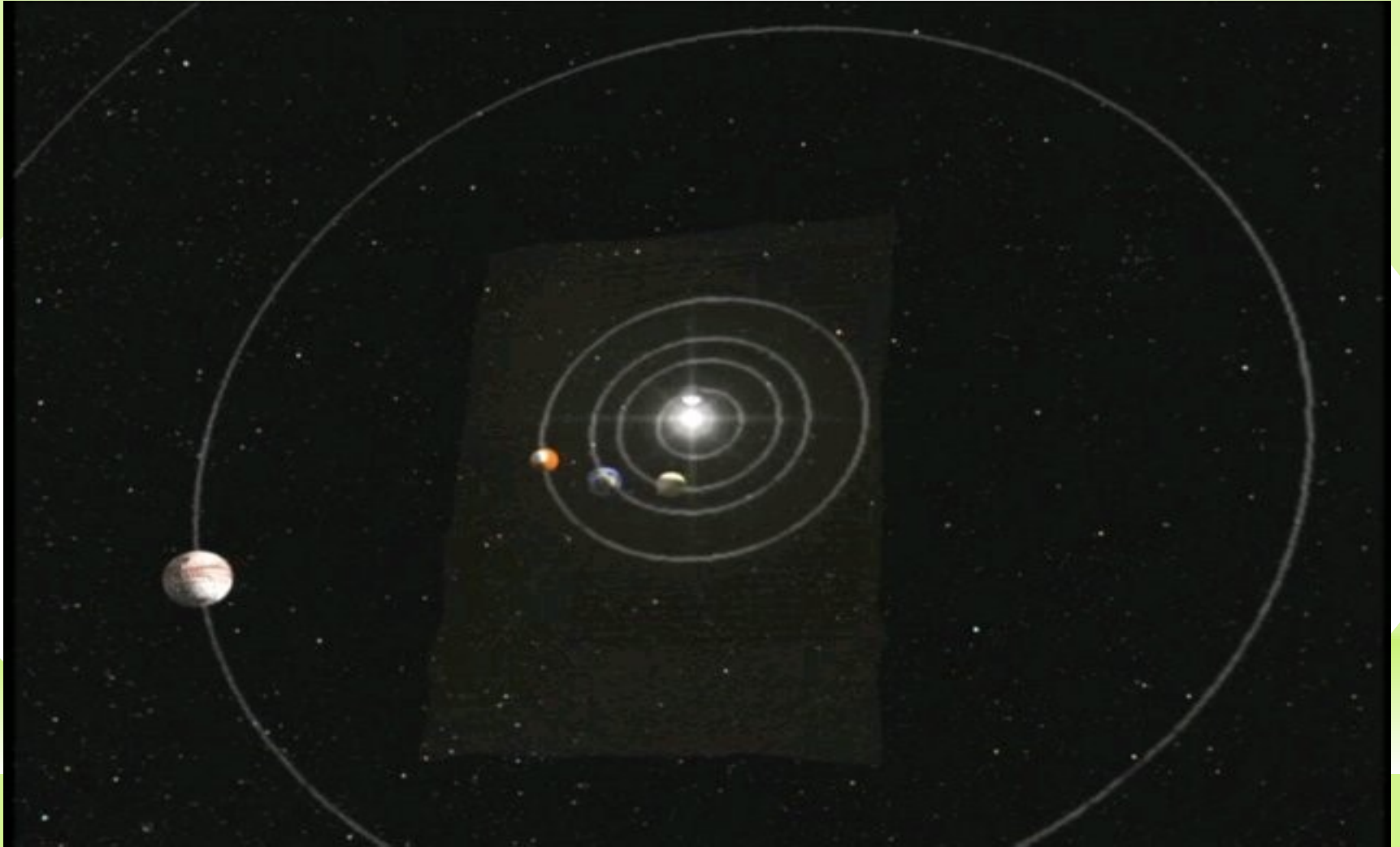
The position of the Earth in the Milky Way seems providential, the best there is... Nicolaus Copernic proved the Sun is at the center of the solar system (1473 – 1543). Yet are we in the center of God's attention?



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



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



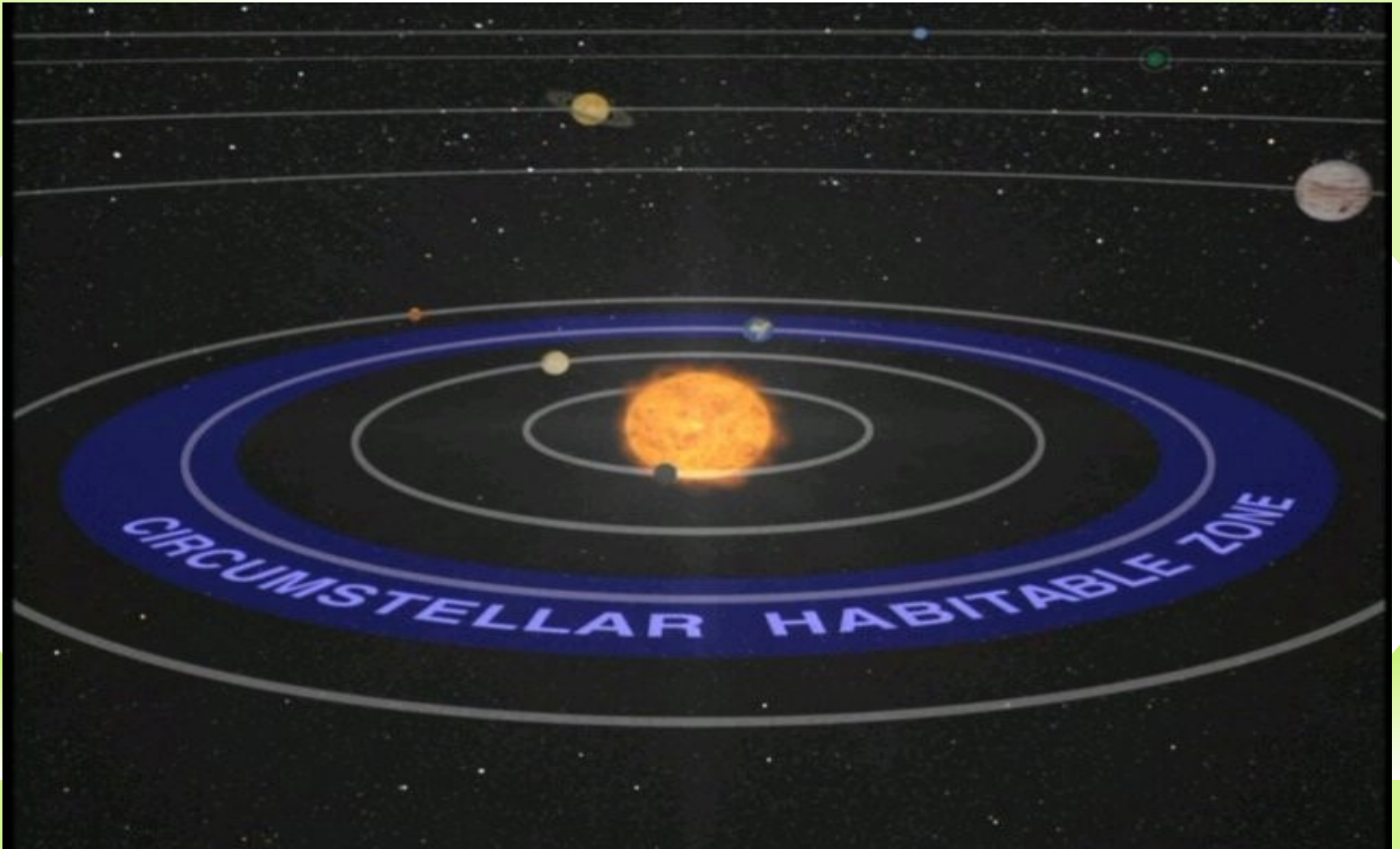
The place of Earth in the Milky Way: the Habitable Zone

A better Solar System

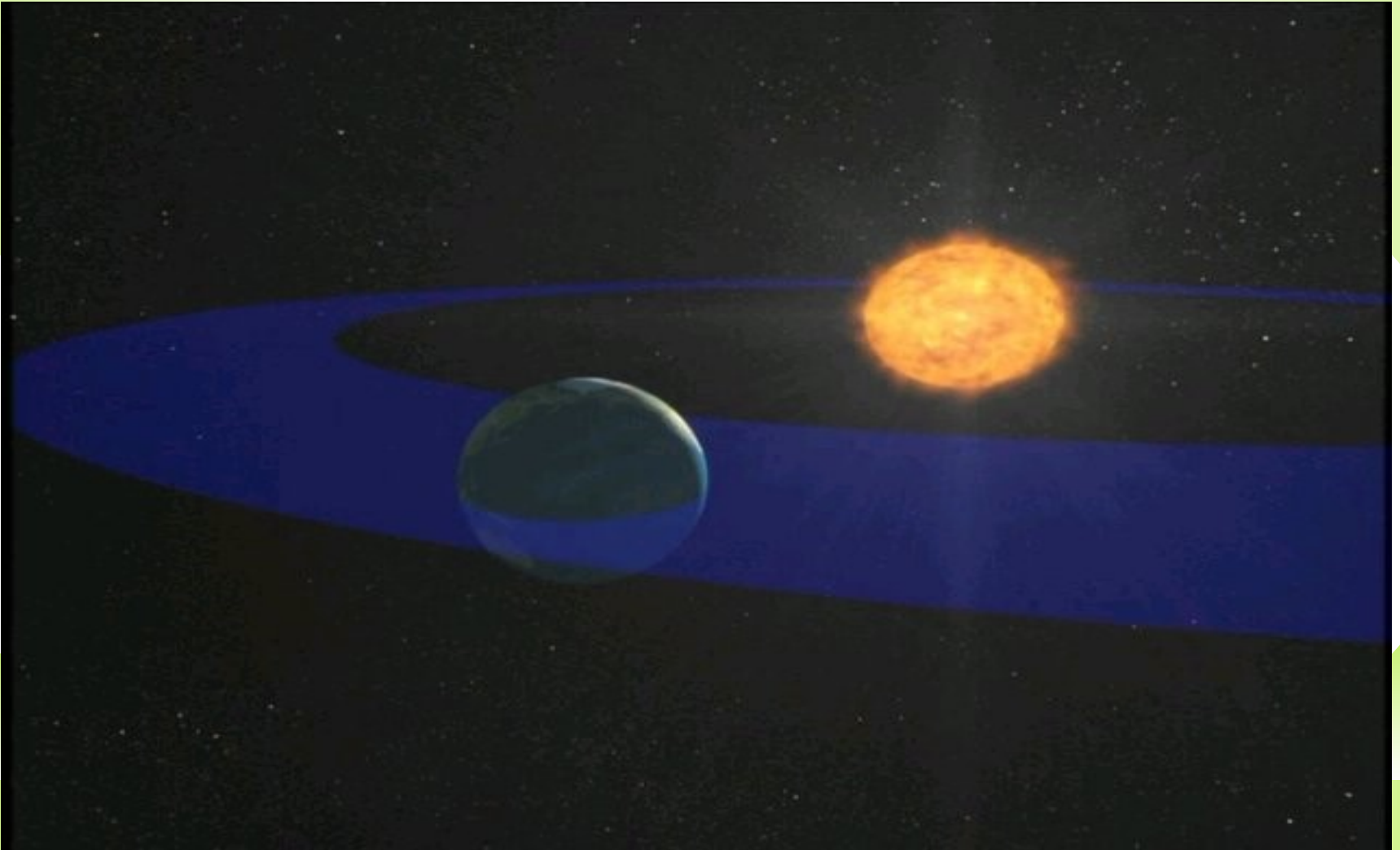


Habitable Zone

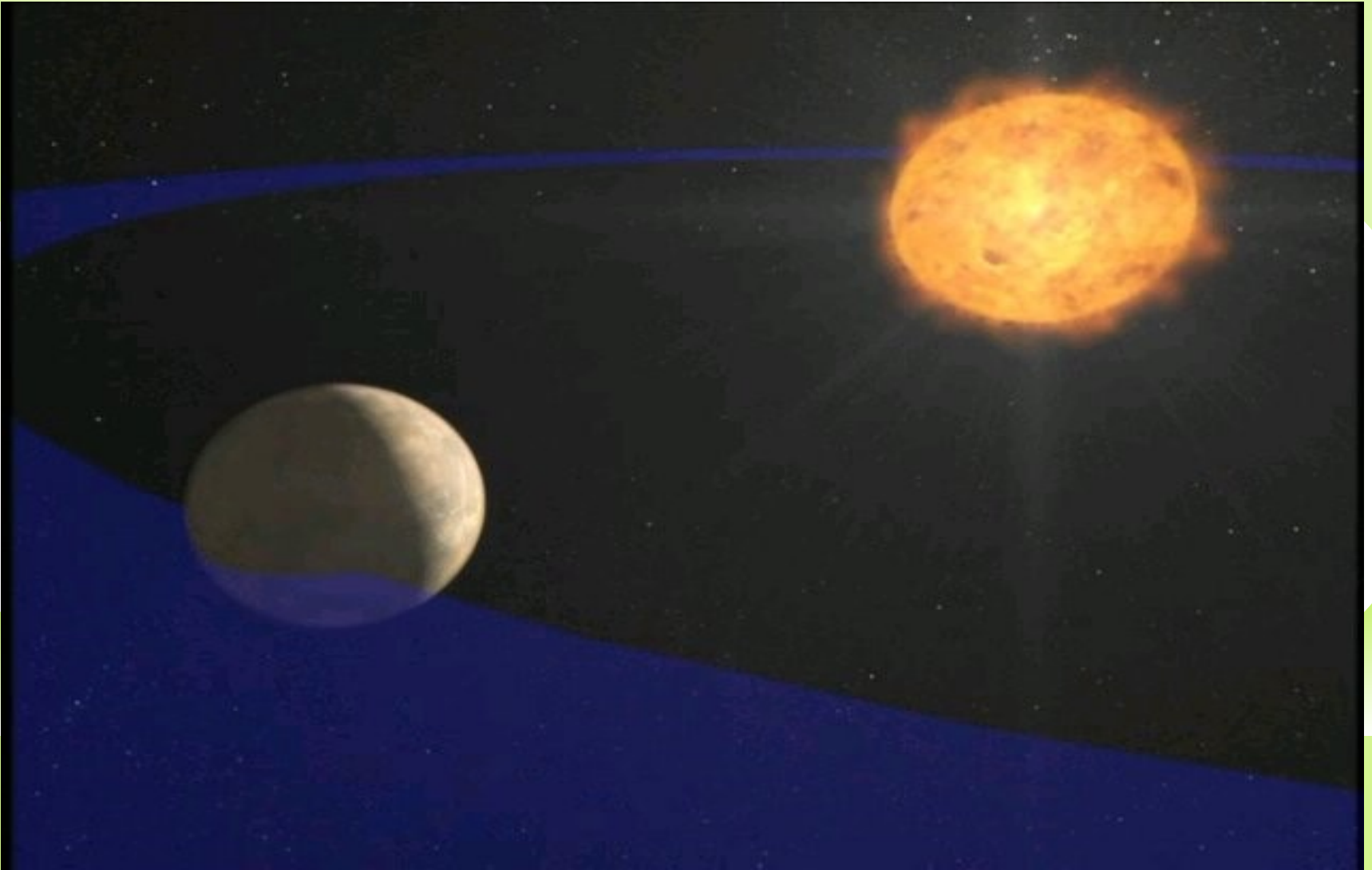
The place of Earth in the Milky Way: the Habitable Zone



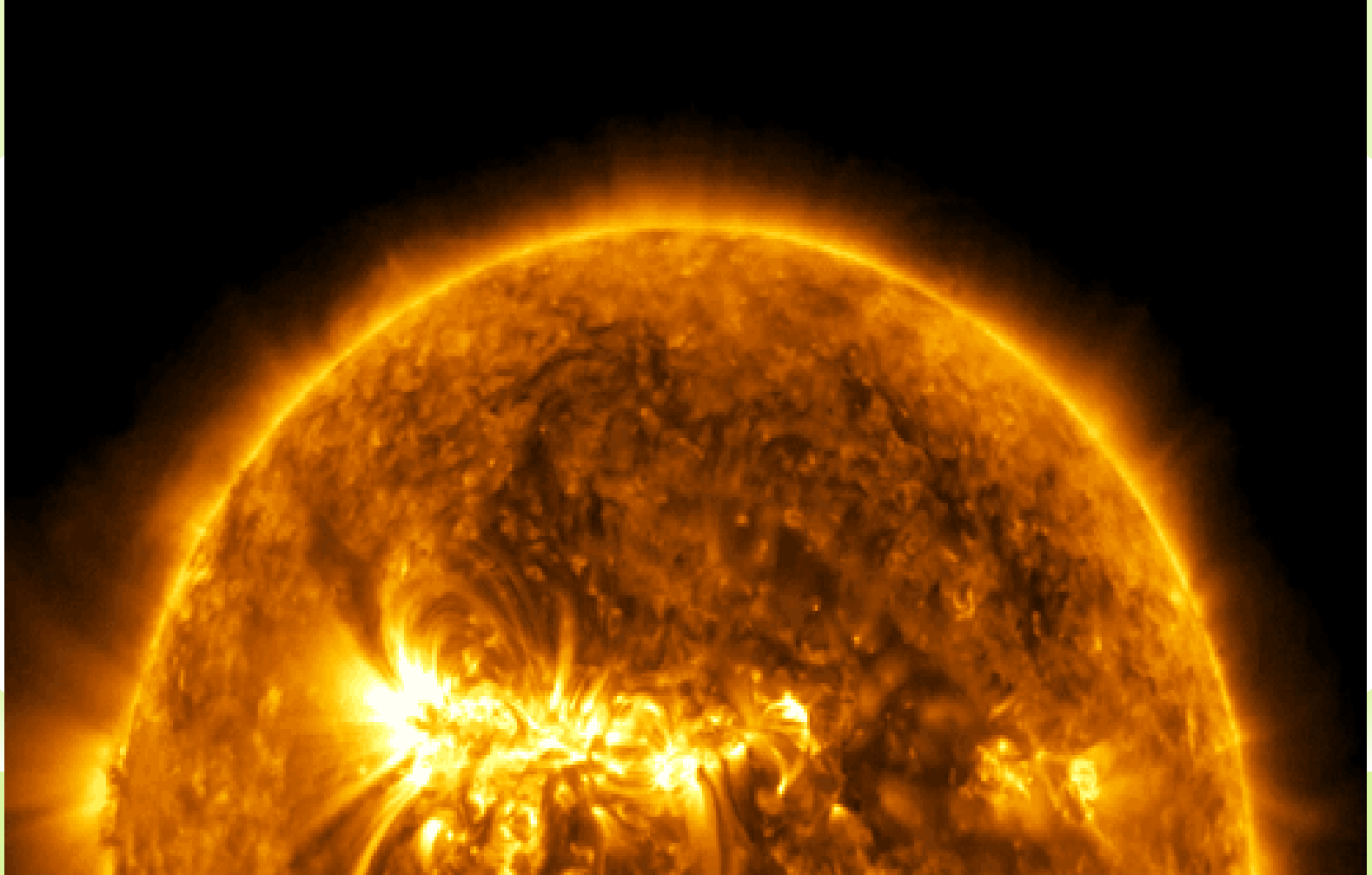
The place of Earth in the Milky Way: the Habitable Zone



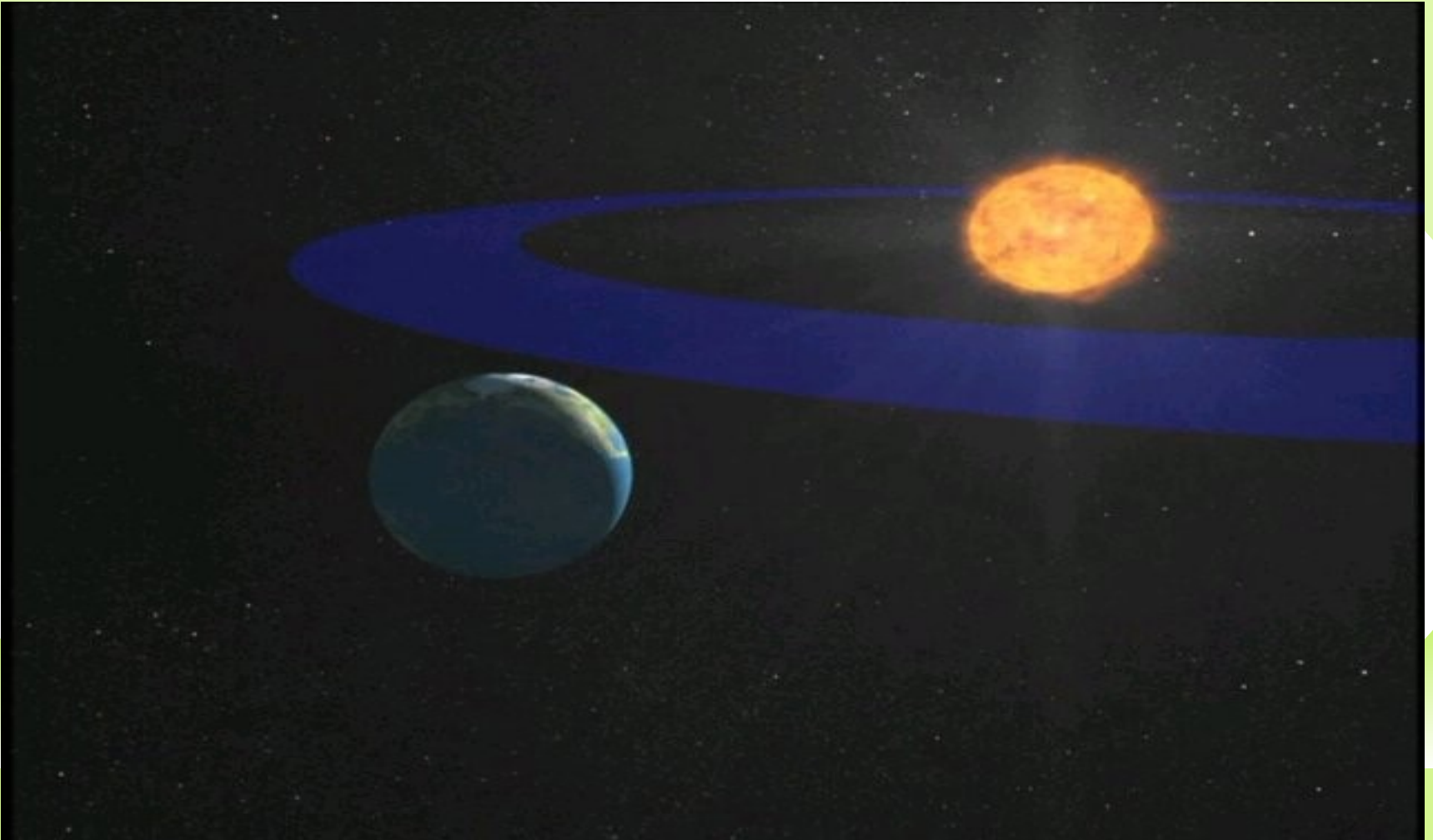
The place of Earth in the Milky Way: the Habitable Zone



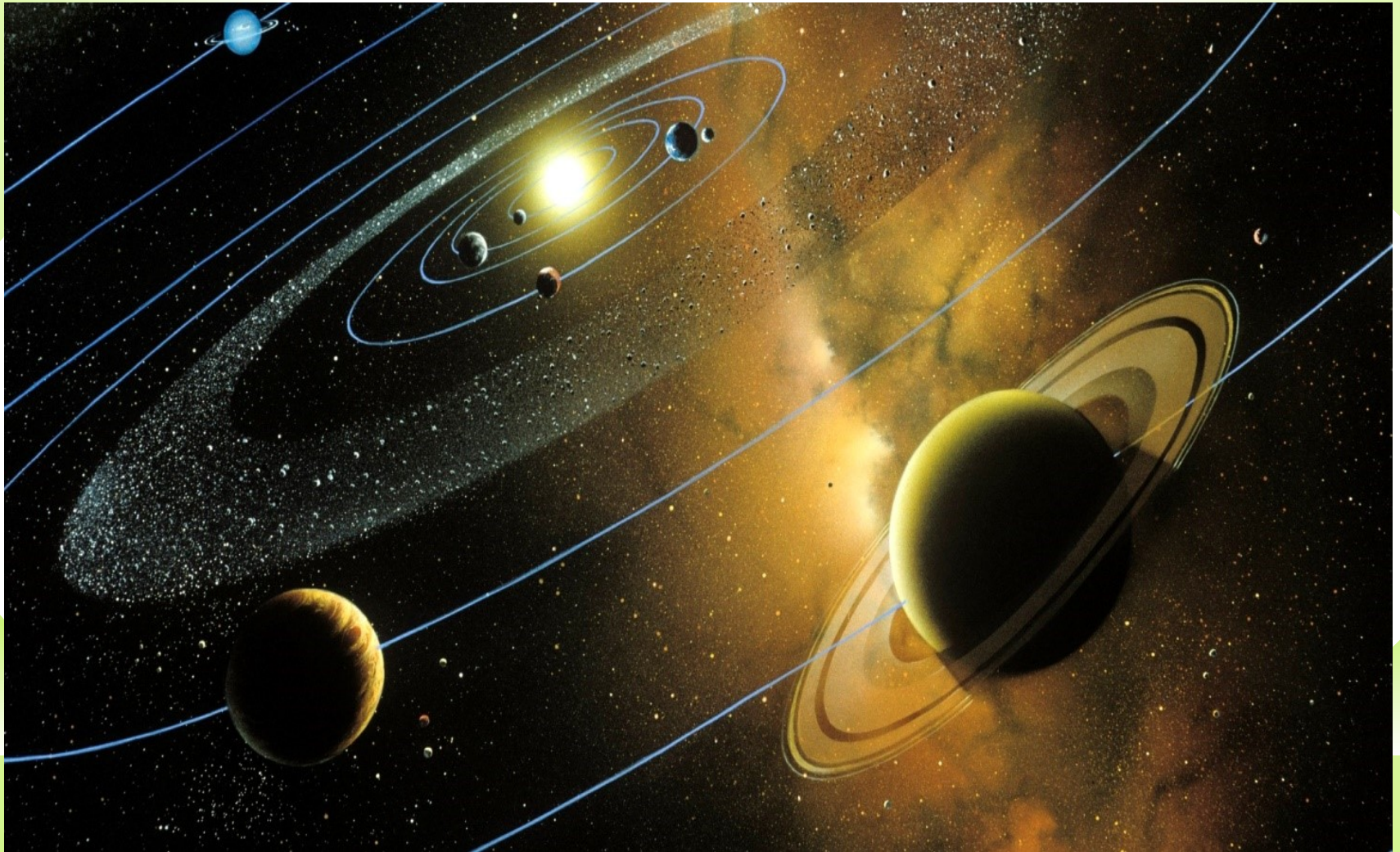
**A bit closer to the Sun, and we would die
of heat, and of radiations...**



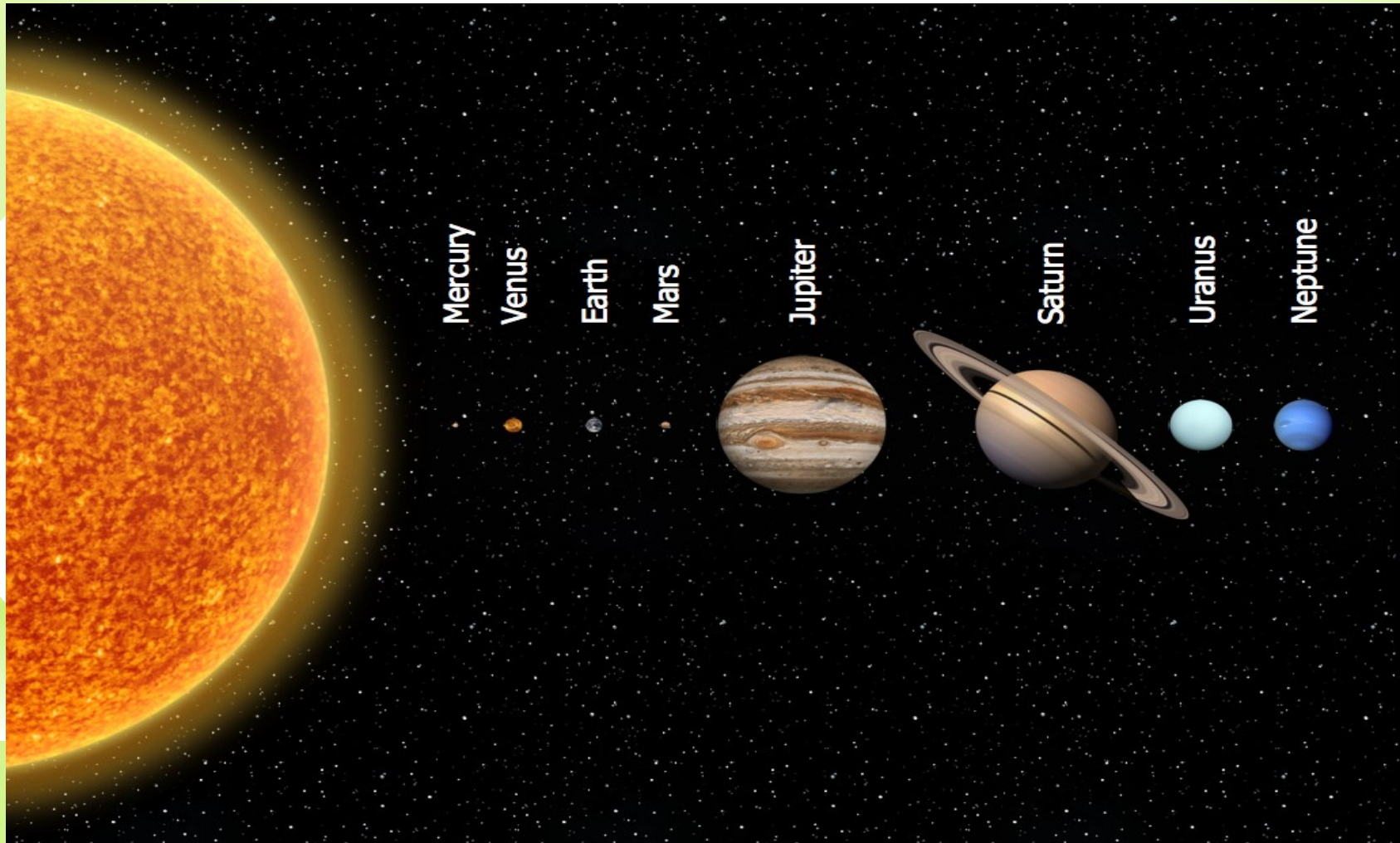
Just a bit farther from the Sun, and we would die of cold...



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

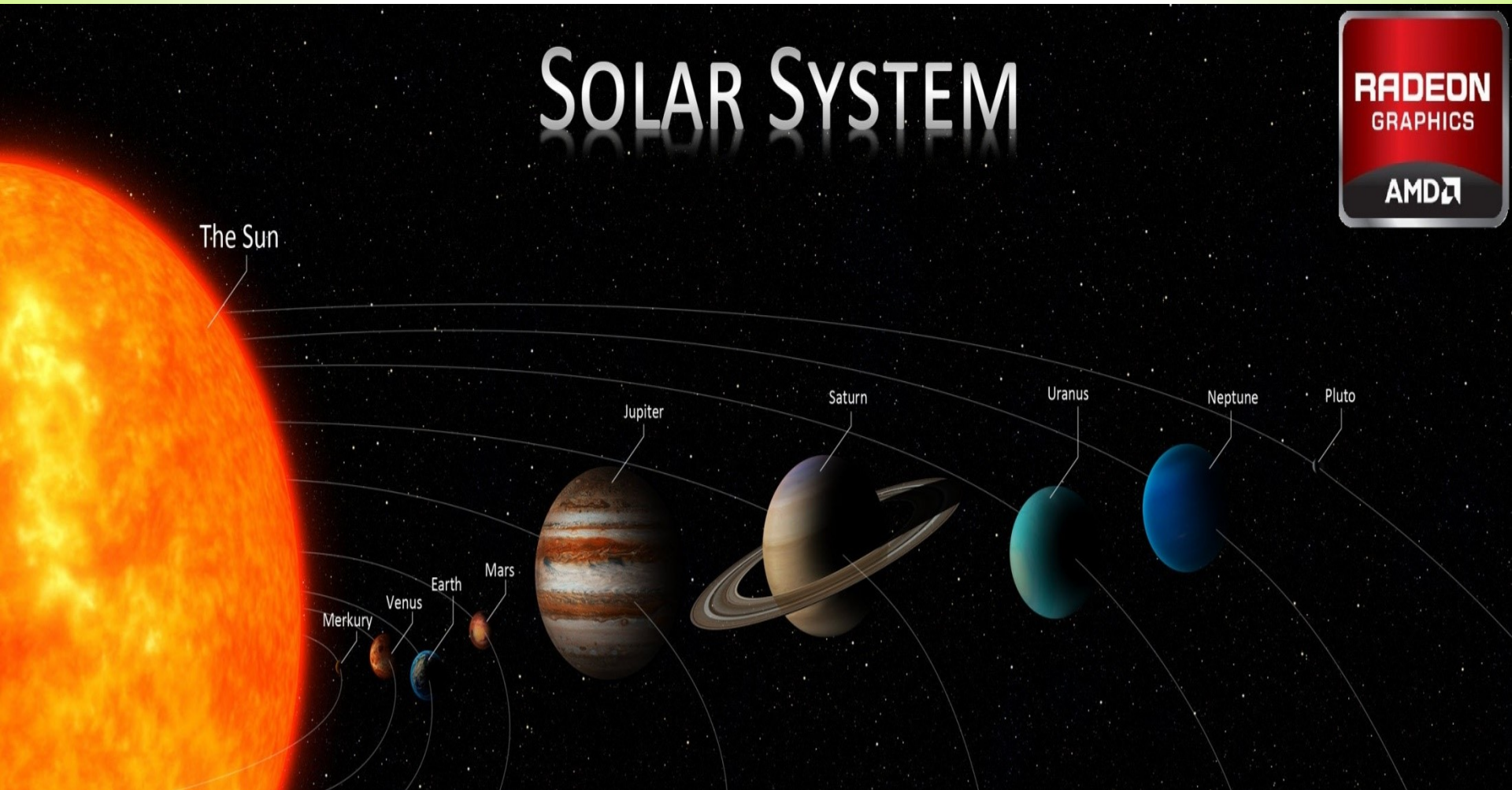
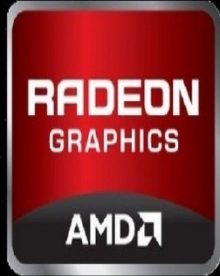


Pământul este păzit de scutul gravitațional al planetelor mari.

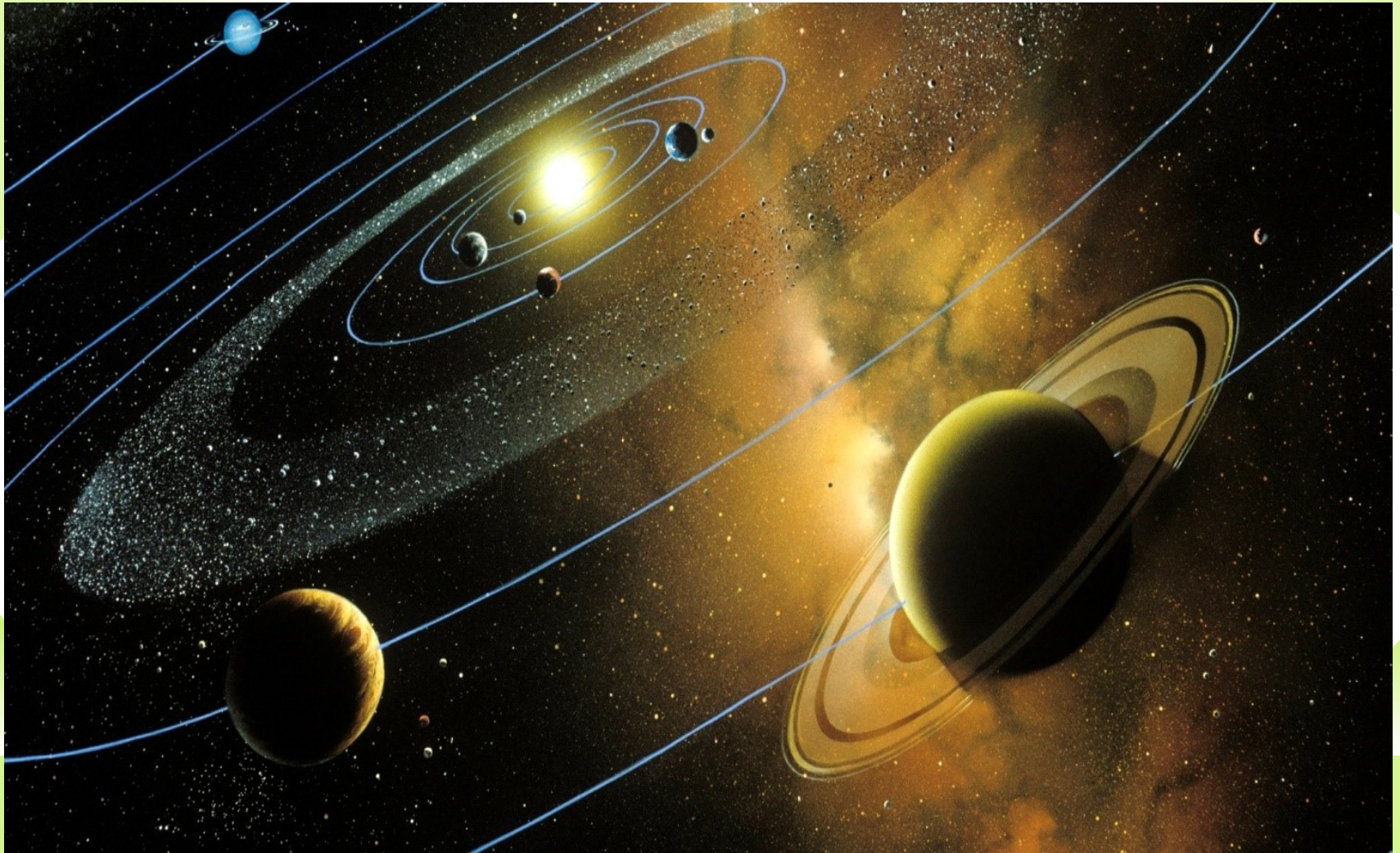


Planetele mari din apropierea Pământului îndepărtează comete și meteoriți mari

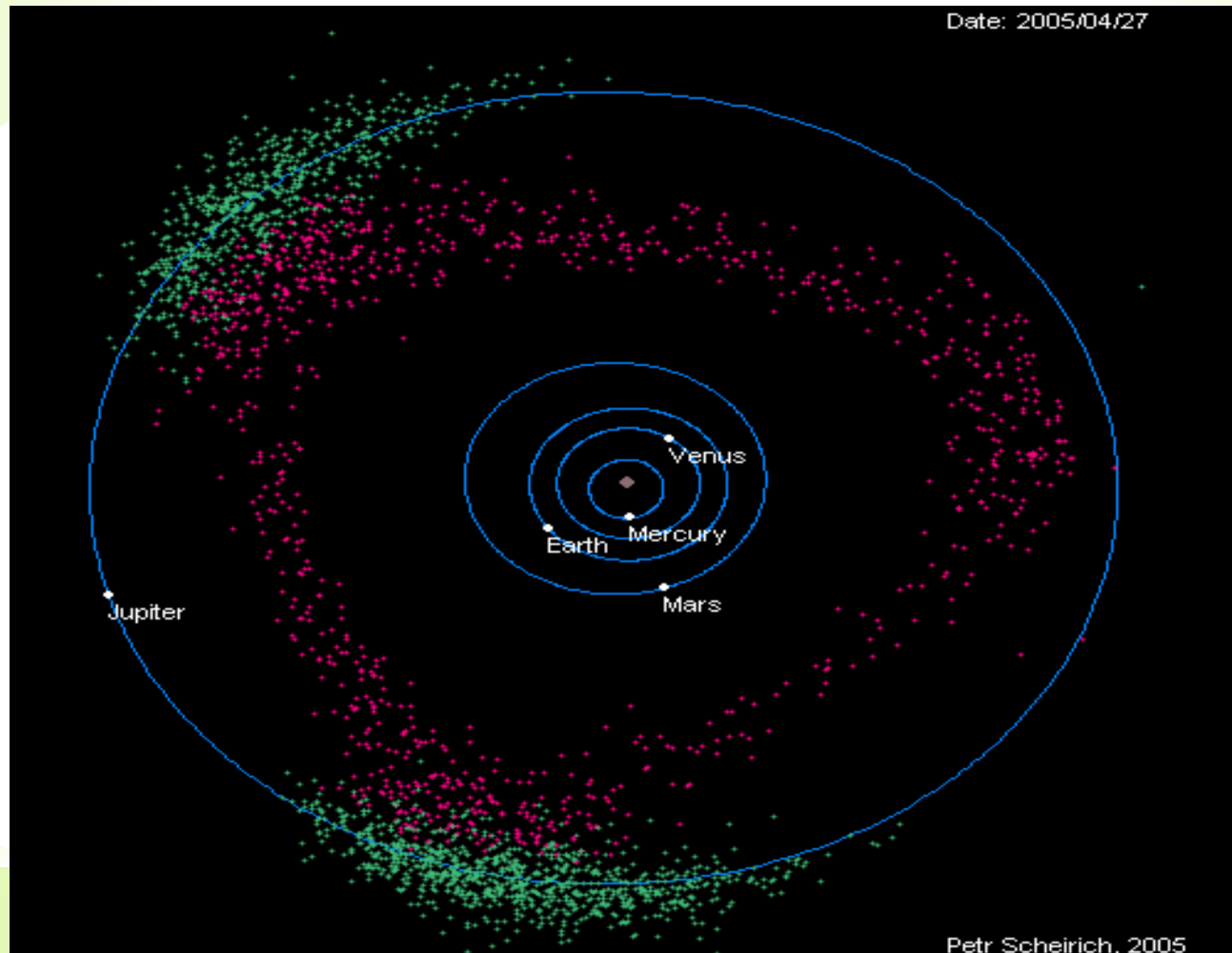
SOLAR SYSTEM



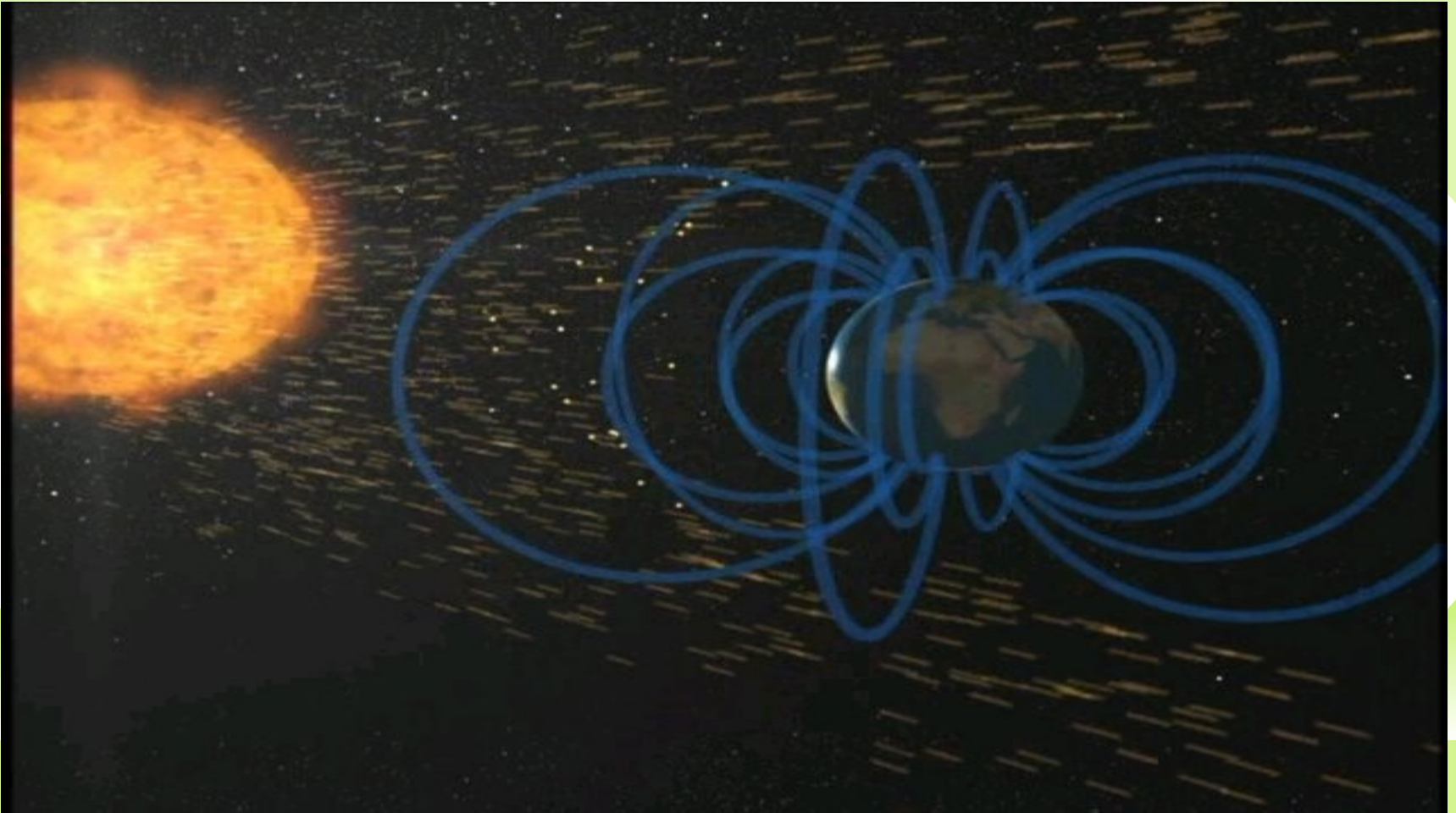
**Meteorites are repulsed and guided
beyond earth...**



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



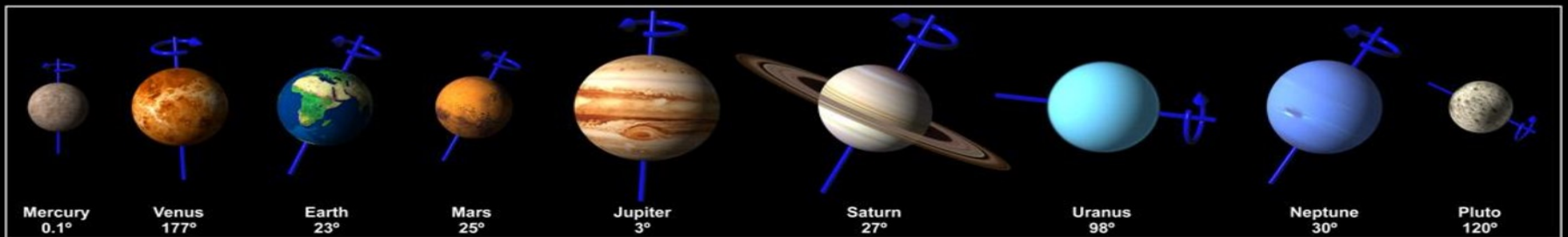
Earth has a magnetic field that chases away the bad solar radiations



Inclinația axei și rotația sunt condiții esențiale pentru un climat mediu și pentru existența anotimpurilor



The Planets in Our Solar System



Obliquity of the Nine Planets

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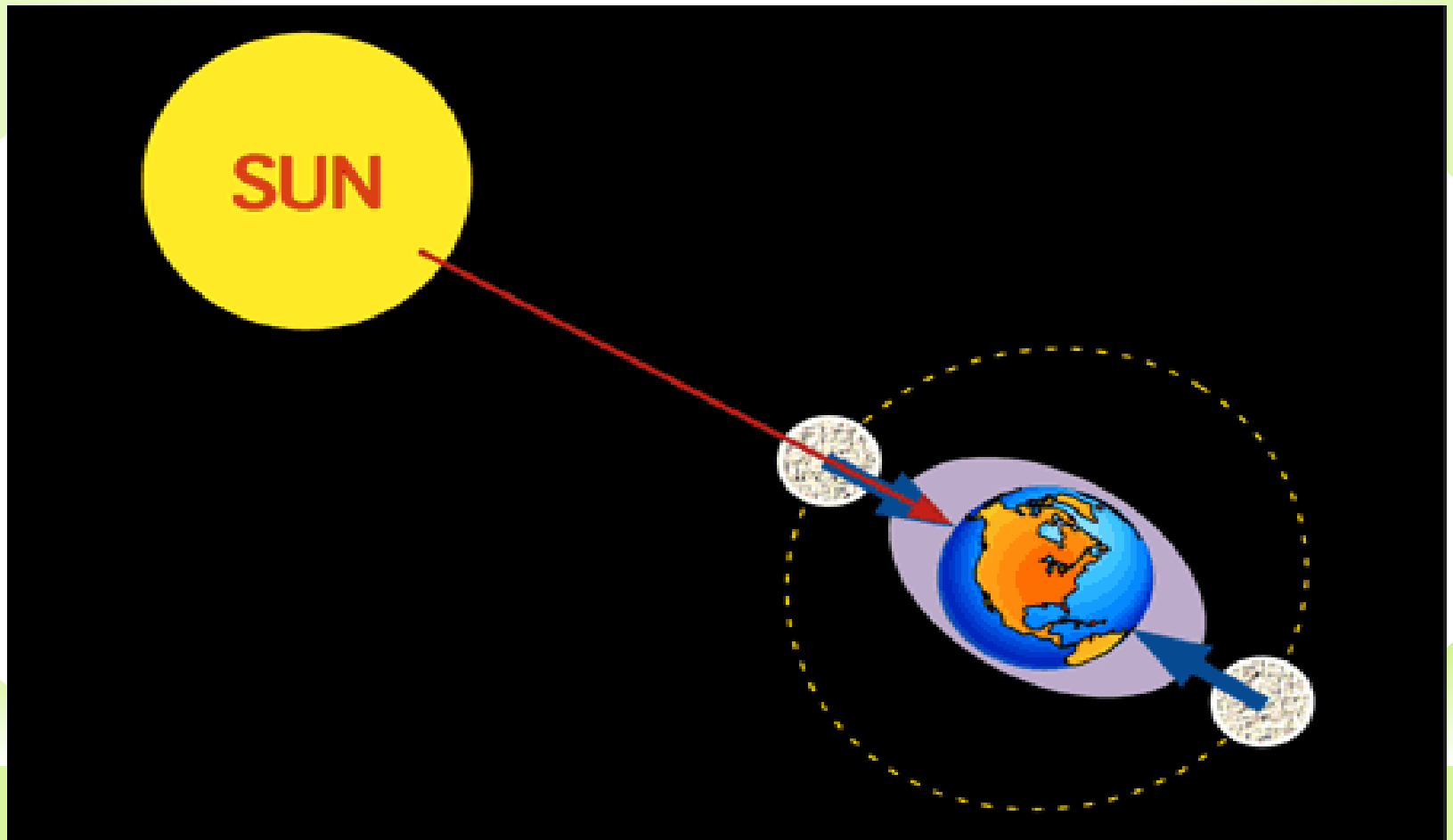
Earth has a big moon, that traps large meteorites...



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



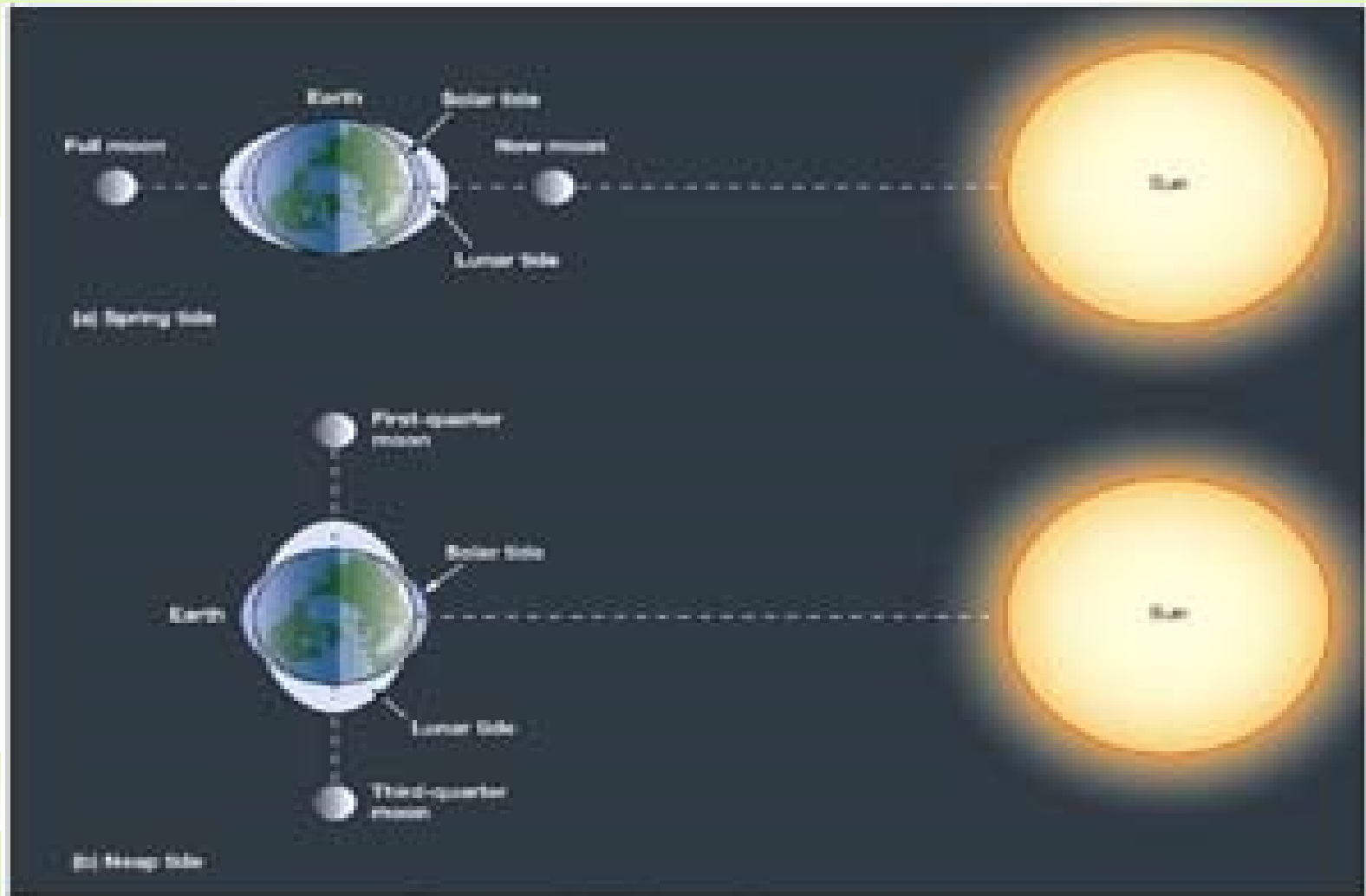
Luna creeaza mareae, o respiratie benefica a oceanelor



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



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



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

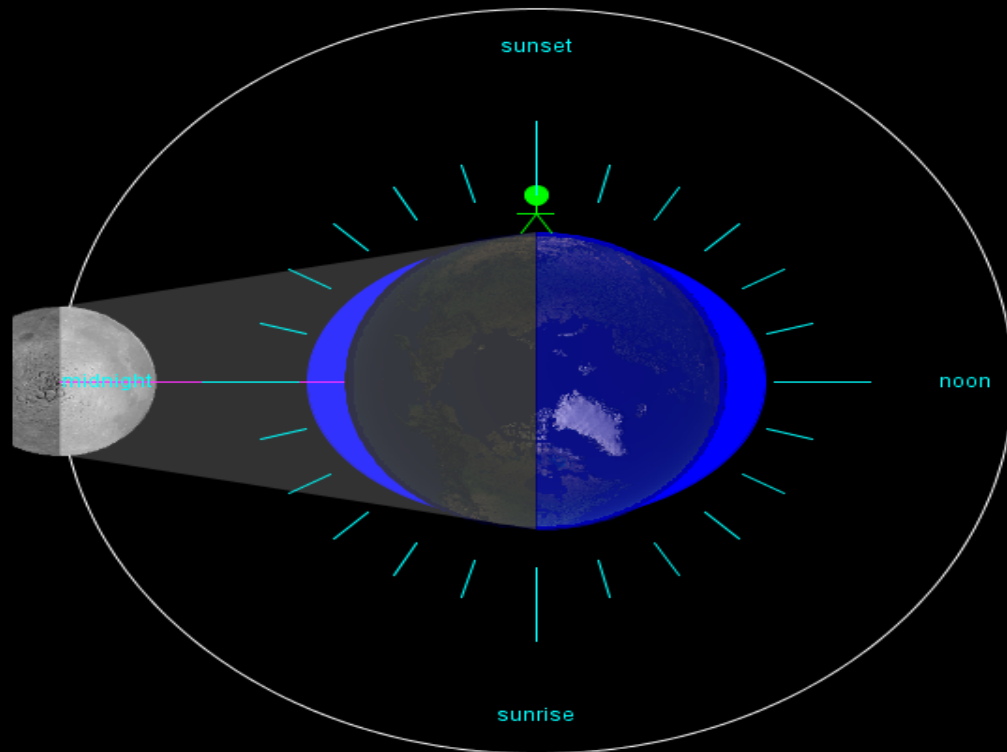
Earth Moon Phases Model



Earth View of the Moon

Orbital Top View of Moon

Not to Scale



text Show Moon View

Show Moon's Orbit

Show Light Cone

overhead hint:observable?

Show Observer on Earth

Day 14

Local Time: 18.0

hr Orbit Angle 180.0

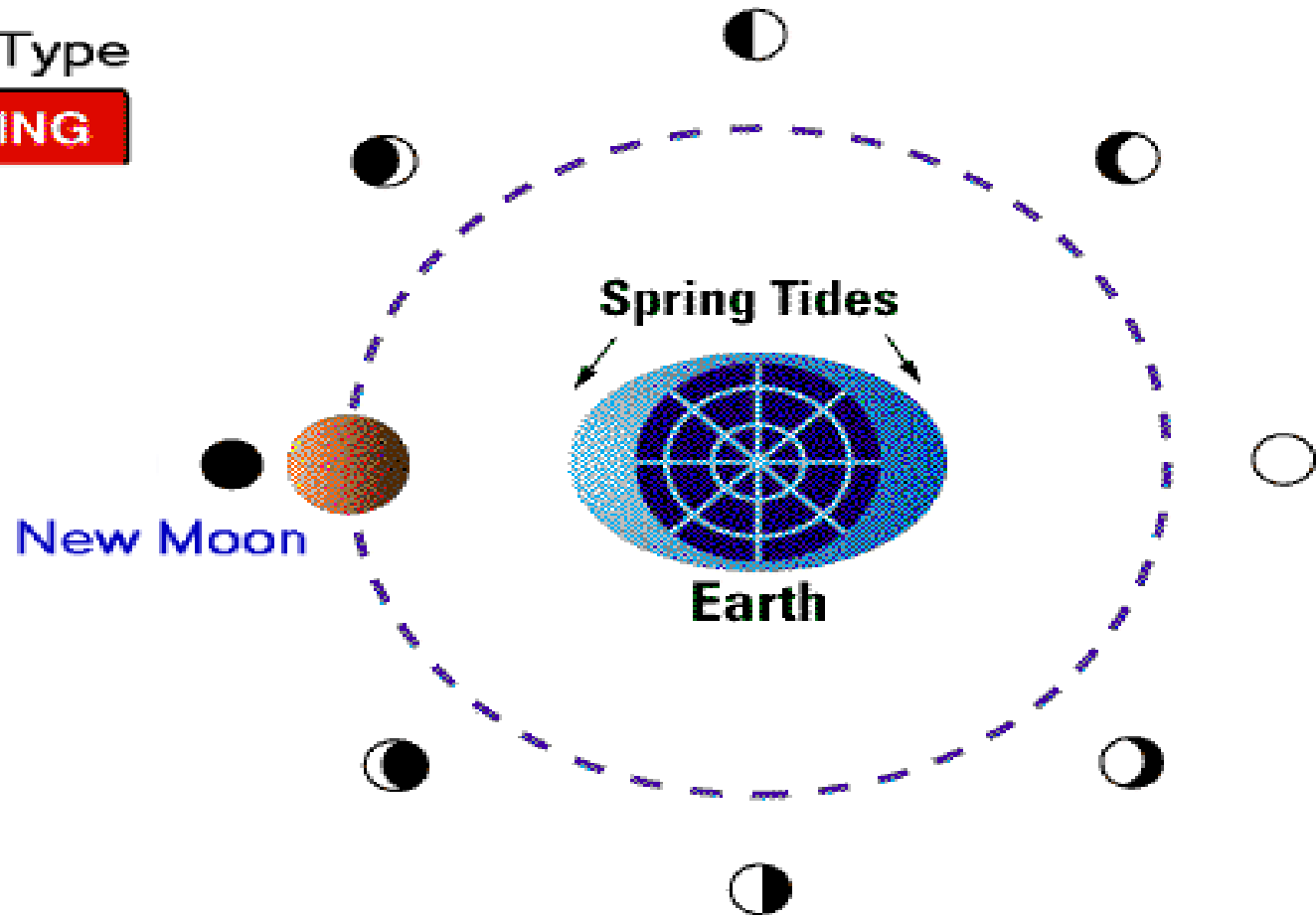
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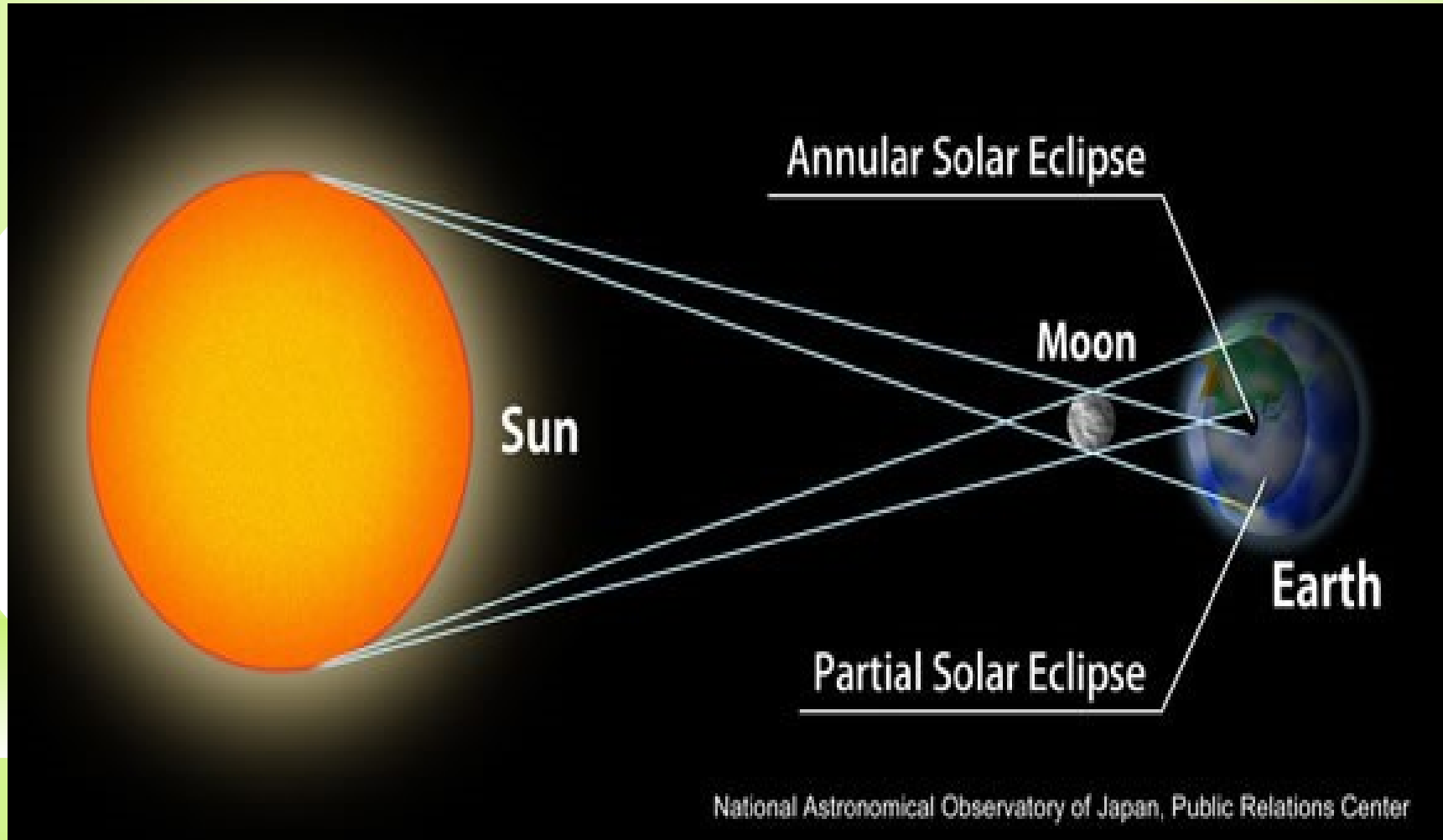
The Moon creates the tides... a breathing of the ocean water...

Tide Type

SPRING



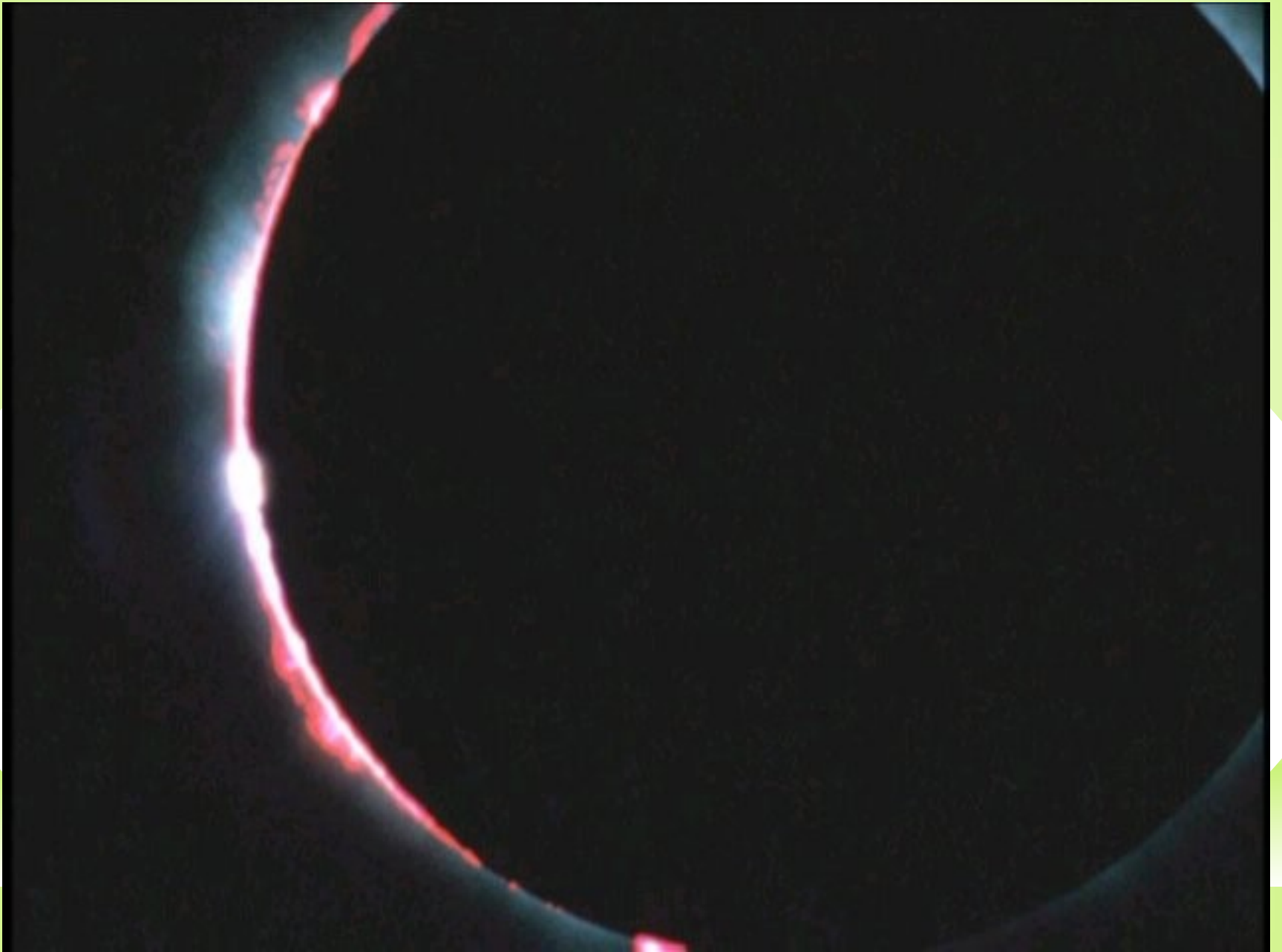
The Moon size and position allows for eclipses and scientific observations











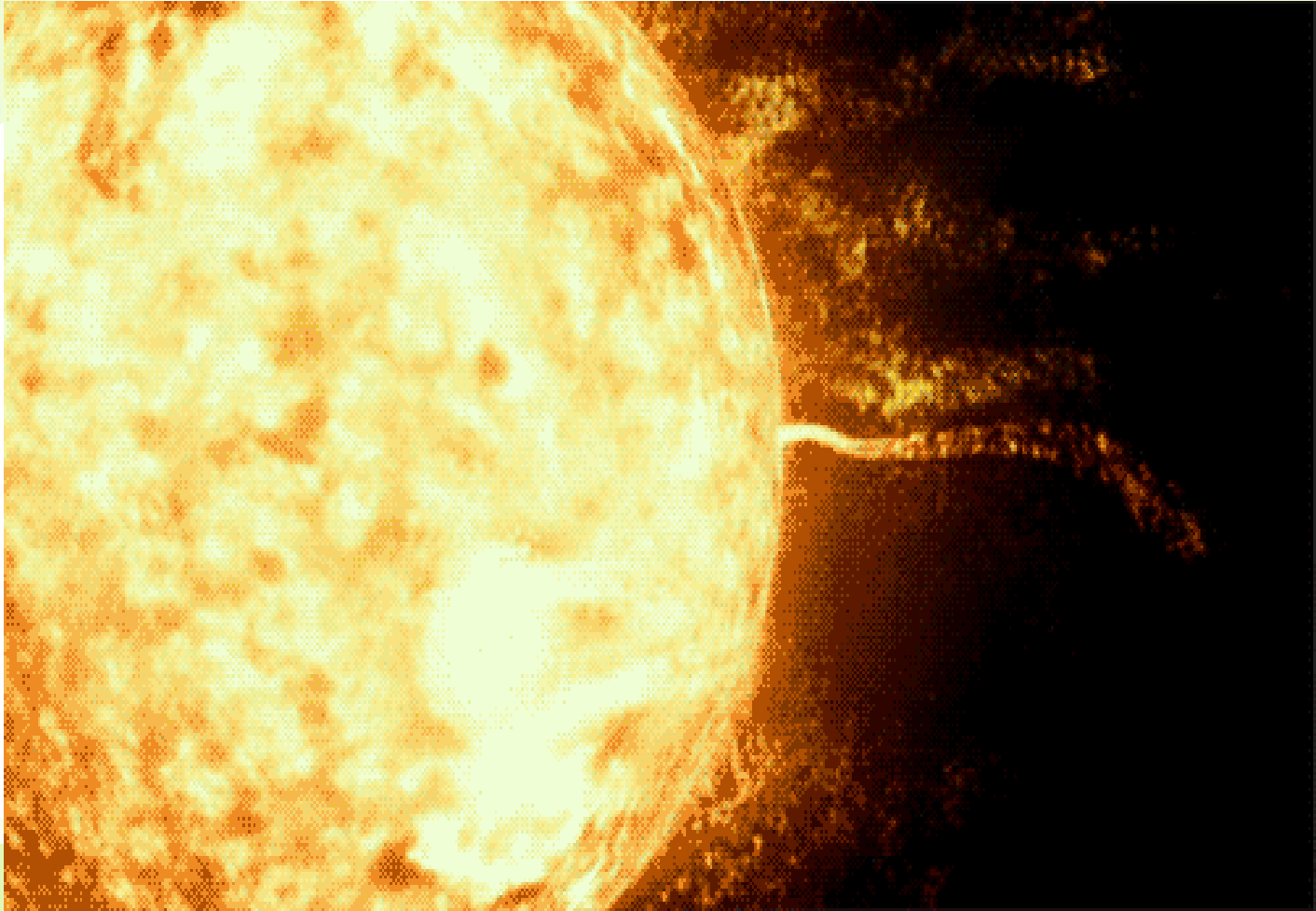




The Sun is a white dwarf star... with intense nuclear activity



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



Atenționarea din Deuteronom 4.19

Veghează asupra sufletului tău, ca nu cumva, ridicându-ți ochii spre cer, și văzînd soarele, luna și stelele, toată oștirea cerurilor, să fii tîrît să te închini înaintea lor și să le slujești: căci acestea sunt lucruri pe care Domnul, Dumnezeuul tău, le-a făcut și le-a împărțit ca să slujească tuturor popoarelor, sub cerul întreg.

Apocalipsa 21

1. Apoi am văzut un cer nou și un pământ nou; pentru că cerul dintâi și pământul dintâi pieriseră, și marea nu mai era.
2. Și eu am văzut coborându-se din cer, de la Dumnezeu, cetatea sfântă, Noul Ierusalim, gătită ca o mireasă împodobită pentru bărbatul ei.
3. Și am auzit un glas tare care ieșea din scaunul de domnie și zicea: "Iată cortul lui Dumnezeu cu oamenii! El va locui cu ei, și ei vor fi poporul Lui, și Dumnezeu însuși va fi cu ei. El va fi Dumnezeul lor.



Revelation 21.4-7, 22-24

