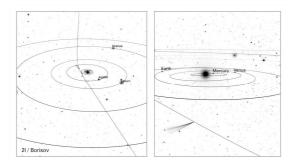


## TOP SECRET

## CLASSIFIED DOCUMENT: SECURITY CLEARANCE LEVEL 9

Document Reference: Origins Solar System 127E3 [Old Earth]	
Date:	
Location:	
Time:	
Last Known Conversation Betwee	en Cpt. Keys and Gen. Todd Before Attack by Olmexian Fleet:
Cpt: Evening General, today we will Old Earth	l be briefing the history of Solar System 127E3 also known as
Gen: Good, time to find out were we	e went so wrong so long ago
specifically [4.6 billion years ago] slowly contracted under the mutua	ng with the big bang, a second event that occured 13.9 be the beginning of our universe. Billions of years later, our solar system formed from a cloud of gas and dust which al gravity of all of its particles. The cloud was made largely of e) and small amounts of the remaining naturally occurring
<u> </u>	oillion years ago similar events led to the creation of the uently led to the rise of the Olemxians, our greatest enemy in the galaxy cluster.
collapse. The collapse in the Galax	Gen: Interesting, did this explosion have anything to do with Project when we noticed the collapse of Star ? My scientists have not been able to identify the cause of a collapse even after trading knowledge with the Clones  Cpt: On my voyages in we noticed a difference when it came to the collapse. It seems when a star dies [meaning it can produce no more elements] it undergoes a collapse. A star about five times as massive as the Sun will undergo a much more violent
death toll reaching over it can not happen again. The outer layers of the star will be ejected into space in a supernova explosion, leaving behind a collapsed star called a neutron star	





Gen: I remember the catastrophic results of the explosion. Figuratively speaking, how much of the solar system formed into the original until we traveled to the new world using the new quantum mechanic technology?

Cpt: Out of the giant cloud of dust and gas from the big bang the only part that settled down, around 5% of the entire thing became our solar system. The rest seems to be expanding however there has been an increasingly slowing speeds

meaning the galaxy is could be reaching its full potential

Gen: Was the old earth solar system's star the first one in its region of interstellar space?

Cpt: The First known star in that region of space was the Methuselah star in the solar system

and was home to the first known living extra
terrestrial organisms. Taking into account the age of the old earth sun, which is around 4.603
billion years old, we know that other stars are older based on which stage they're in.

Gen: How do we know how old a star is based on its stage in life?

Cpt: As a star ages, it will use up its hydrogen which fuels it and will expand to become a red giant until it burns up all of its fuel entirely and sheds its outer layers to become an extremely small and dense white dwarf which is about the size of the old earth.

Gen: And what will happen to the old earth solar system when its sun reaches these crucial last stages?

Cpt: As the sun expands to become a red giant, it will engulf the inner planets. After it becomes a white giant the light it produces will be only a fraction of what it used to and it will leave the solar system a dark and dormant remnant of what it once was.

Gen: Captain, as you know we are planning to launch an attack on the Olmexians so we can retake

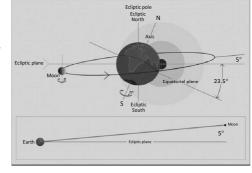
in my but

as we sit in this solar system I notice the planets spinning around in certain directions. Now I am wondering if the rotation of the planets could have

an effect on what I am viewing. Why is it rotating like that  ${\bf 2}$ 

Cpt: I can assure you that the rotation of the planets will not affect our brilliant attack. As for the turning, Gravity, momentum, inertia ensure that bodies big and small act upon each other, causing everything to move and spin. Nothing special

Gen: I have noticed that the surface of earth has changed throughout the years I have been appointed to





Cpt: This is true captain, you are not going crazy. Over time the earth has cooled allowing water and ice to form which in turn allowed lakes and oceans to form.

Along with this, meteor strikes and volcanic eruptions as well as earthquakes were able to form land masses like mountains and islands. Additionally, the Earth's gravity has tidal effects on the Moon. This has caused the Moon's rotation period to slow. It also has the effect of making the Moon's orbit get further from the Earth. Over time the Moon became tidally locked to the Earth.

Gen: Captain, during my stay on the surface of old earth, I witnessed many meteors and comets fall to earth. How does this happen?

Cpt: As they orbit the Sun, Comets scatter dust along their paths. When Earth's orbit takes us through those dust trails, the material enters our atmosphere and vaporizes. The smallest particles generate very little friction with our atmosphere and drift gently down to the surface. Meteors in showers come from comets.

Gen: How did these objects affect the Earth in its long history?

Capt: As Earth cooled over time, water from comet and asteroid collisions was allowed to condense on Earth, and not be boiled off into space.

Gen: So what I can learn from meteors is **section** and they carry different types of chemicals that are critical to life on earth like amino acids?

Cpt: That is correct, General.

Gen: Thank you for your time Captain. I have enjoyed the journey we have been taking and am excited to start the new era of exploration

Cpt: Of course General, anything I can do under your command, General, did you just feel that?

Gen: The ship rocked, Command I need a report on the status levels of the starboard reflector shields!

Command: Sir we under attack! They have breached are security systems and have taken the appearance of some of the crew

Gen: Captain, we have a problem, they are among us

Cpt: Oh I know General, I have known it all along...

Gen: Captain, Keys? Keys? What the- What are you doing? Captain, I am your general, put me down! I order you to put me down! Captai---

**END OF TRANSMISSION** 

A