Dying light

Brmmmm

The slow resonating sound of engines producing their own unique rythm, is more often than not the only thing that keeps me relativly sane and sound because i know aslong as i hear them those century old engines i know there is still hope to one day reach our goal, An escape into another world. Many, many years ago we received a message from the eternal ether of space stating that a distant civilication has built a gate not just any normal portal no something different a dimensional gate reaching beyond the known universe and what was seen was stunnig a living thriving universe unlike ours that one was still young not yet at the end of its cycle. We and my crew are the last surviving members of a once glorious species of primates we were called humans but almost no one knows that name anymore. I have never seen our birthing planet earth as it was destroyed much further in the past than most known history reaches. It is said it was a fertile class 3 water planet with a young sun and very beneficial planets protecting it from external forces its orbit around the sun favoured seasons with relative mild clima able to maintain ice on its poles and warm temperatures aound its equator. Millions of species lived on there the bio diversity was one of its kind. And above all the planet was able to support life long before the first space faring civilisation was born some said that humans where first. But I personaly don’t support that theory as its impossible to know for certain in an universe that its observable part already spans around 93 billion light years the possibilities are endless.

I sit there in the cockpit of our ship the “Lucis” as we call it the last ligth in an universe filled with darkness Darkstars and black holes litter everywhere they are the silent killers number one completely invisible detectable only by their gravitional waves. There are almost no living suns left only at best dimly lit white dwarves wich are at the verge of becoming dark stars themselves.

What are darkstars you ask, they are the remnants of pulsars which are remnants of suns.

They are just as massive as regular suns but have the size of clas 3 or 4 planets they are practically tiny but their size is deceptive one must know some call them quasi blackholes as for why its simple once you enter their corona sphere just like a blackhole your fucked they pull you apart like a slinki until aour a thin stream of atoms and even if you were able to keep ship integrity you would accelerate to 99% speed of light in mere seconds until you clash into the surface of that dark star and produce a mini super nove. For people with a death wish quite a compelling way and you would literally “go with a boom”. I mean if I hadn’t had a plan and a goal in life I would probably choose something similar.

There are currently 4 people on board and enough genetic material for around 30 million more humans and with artificialy induced mutation we can iterate probably 30 trillion more.

Those 4 are currently in Time Dilation Stasis, those lucky bastards the day they wake up only a few seconds would have passed for them but for me I have to watch the instruments for the next 100 years. 100 years sounds like a lot of time but is actually nothing much as the problem with aging was solved millennia ago every remaining member of your crew is practically immortal. The only reason for stasis are resources we are constantly low on energy our storage of metallic hydrogen is at its bare minimum and all the other resources can be measured in grams. We truly have seen better times but what can you do if even the most abundant resources like silica, hydrogen and carbon run low in a dying universe most of it was swallowed by black holes or has fallen onto dark stars.

Without our molecular assemblers even water would almost be impossible to find. By the way its almost time for a refuel stop as we are dangerously low on Compressed Materia or short Cm-Matter.

Cm-Matter is made of exotic mater with the properties to store massive amounts of energy on its formation and on breaking them releases the same amount of energy again with a efficiency of 99.9 %. It can be formed from almost any source of power, heat radiation light kinetic movement averything aslong as it can supply enough energy to overcome a certain barrier until then the forming of said Cm-Matter is impossible. Usually the heat of a middle sized sun is enough to produce a sugar cube sized piece of Cm-Matter. Essentially Cm-Matter is a Solid State Batterie its 100% stable and save for humans it will not decay and releases no radiation whatsoever.

But suns are a novelty nowadays as they have become unbelievable rare the only alternative is bashing blackstars into one another like bowling balls the resulting explosion usualls is enough hto produze a small piece. The quantities sound small but one must know that the energy contained within is enough to drive the “Lucis” for another 10000 years straight.

“haah” I drink a cup of hot chocolate as I sit down into the captain seat and enjoy the taste.

“Cara play me some music something new, please!” Cara our board computer is a transcendental Artificial A.I. Cara has no special meaning its just the name we gave her.