

Re: retrieving material from asteroids

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Lawrence Gales (aka Larry Gales),

Our once upon a time icy proto-moon is offering science the best ever Near Earth Asteroid as is, along with loads of smaller tidbits of worthy asteroides as captured upon/within the portions of the rather thick dusty deck, and it's even offering a rather salty remains of an orb as having been badly deposited with nearly every known element plus everything else you can think of, including the cosmic kitchen sink, that's offering us an absolute cosmic morgue worth of fresh information from spores to you name it, plus there's absolute loads of nifty energy alternatives, some of which (the likes of He3) are clearly going to become worth 10 fold the effort of obtaining.

Too bad we're simply not smart enough nor have we been hardly honest enough to having established LL-1 as our best do-everything platform on behalf of Earth-science and moon-science, as for having our best robotics hard at work or perhaps having established our very own ISS depot/abode in the sky that's always situated interactively between Earth and the moon. At least by now we'd have some understanding of what our local situation is about, and we'd obviously be holding the ultimate key to safely and efficiently accessing the moon, as well as LL-1 representing the ultimate worth of high-ground on behalf of star-wars and of so much other to come. Instead China will most likely become the CM/ISS inn keeper of what's so absolutely nifty, affordable and downright profitable about LL-1.

However, first we'll have to get something to LL-1, and then efficiently station-keep that sucker interactively within the zone. Fortunately, the LL-1 zone is one of the most efficient spots to deliver the most tonnage with the least amount of effort. As only then may the real science begin. If need be, I'll re-edit my external pages and include whatever you'd like to see, although I seem to have far more questions than answers to share at this time.

Such as having the hard-science upon the notions of to terraform or not to terraform may have become a little too late in the game for good old Earth, having been seriously way too late for Mars, but otherwise looking as just an alternative beginning for the likes of Venus. At least the sky isn't falling on Venus the way it has been falling on Earth, and ESA's Venus EXPRESS is soon going to greatly improve upon

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that understanding.

It has been scientifically reported that as of 1670 we've lost 15% of our magnetic field, thereby if roughly 333 years = -15%, whereas this represents doing the math gets our worst case outcome down to less than 2,500 years away. Therefore, giving mother nature the widest benefit of the doubt, it seems at best we have another 5,000 (+/- 1,000) years before we will not have to worry ourselves about the SAA (South Atlantic Anomaly) because, as by then there will not be a sufficient Van Allen buffer zone or magnetosphere expanse of death surrounding our Earth because, whereas by then the extremely low field density and thus weak energy worth of our magnetosphere that's surrounding us will have collapsed that buffer zone to residing extremely near or having deposited itself entirely upon the surface, making Earth itself into the actual Van Allen badlands with only our polluted atmosphere for shielding thy sorry butts, which is only going to become thinner and ultimately this simply isn't going to cut it, unless we've intelligently redesigned our DNA into being sufficiently rad-hard DNA, or else taking to living extensively underground, especially since continually migrating ourselves into the nighttime of Earth isn't going work for the vast majority of humanity.

A mere hundred thousand years ago (that's obviously well in advance to the onset of our last ice-age having gradually forced most forms of life [intelligent or not] towards the equator) our atmosphere was measurably thicker plus having many other life beneficial ways of being more robust and obviously unpolluted along with having a 100% layer of ozone coverage, as well as our magnetosphere having been a whole lot more substantial, thereby life had been initially at least 10 fold better shielded and even the sun itself was measurably less intensive with regard to having distributed such lethal forms of radiation.

Of course the final nail in the Mars coffin came about in a similar form of magnetic demise, especially tasty once the Mars core had solidified, thus offering extremely little if any accessible geothermal energy to speak of, and without a viable magnetosphere there simply wasn't an alternative other than to abandon ship or having died trying. Thus far it doesn't appear that even in the good times there simply wasn't a great deal going for life upon Mars. Whereas Venus at the time was somewhat representing the ideal alternative, as having been in the opposite situation from ever being sub-frozen to death and least of all deficient in atmosphere, in that having terrific geothermal energy to spare and as a result offering so much atmosphere to work with insures that even without a Van Allen zone, that of life technically accommodated, adapted or of sufficiently evolved upon the Venus surface might well have been receiving far less influx radiation impact today than Earth had been getting as of 100,000 years ago.

Unfortunately, unless sufficient evolutionary mutations take affect, our human DNA can not adapt to withstanding yet another 10 fold increase in TBI dosage, much less tolerate 100 fold which is the more

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likely amount we're due to receive, along with a certainty of the more elevated and thus unfortunate areas eventually receiving a thousand fold. The influx energy filtering and thus shielding capability of our atmosphere is certainly terrific, however by itself it's not going to be sufficient, especially on those bad solar days. Thus it doesn't hardly matter if we pillage and rape mother nature to death, sucking out every last barrel of her oil, m3 of her natural gas and tonne of her nasty coal, even fore knowing that such sources of energy had been exactly of what had been contributing by far the most lethal forms of environmental radiation because (such as the artificially discarded and exposed radium becoming radon which shortly thereafter becomes lead), whereas within the next 1,000 years it actually will not seem to matter one way or another. At least that's what the best expertise of hard-science has contributed thus far, that we'll have exhausted the affordably accessible geological energy alternatives and looking at having lost another 45% of the magnetosphere, representing that the SSA will have become the SEA (South Equatorial Anomaly) covering perhaps 10%(50e12 m2) of Earth, and getting worse off each year as the solar winds continually excavate our atmosphere, as it continues to thin and the core of Earth fails to sustain the magnetic field that's our first and essential line of defence.

Perhaps by then a custom engineered human (aka intelligent design) will have made our frail DNA into a tougher species of life that can be cloned into existence. Of course also by then, China will have long since established the one and only LSE-CM/ISS, making their well shielded CM/ISS abode as perfectly survivable as being underground within our moon, that which can actually be terraformed into hosting an amount of atmosphere. Possibly their combined LL2 and LL1 tethers becoming an artificial alternative for having established it's own magnetosphere. Meanwhile, of whatever's left of our LLPOF government and of it's pagan NASA will still be covering thy perpetrated cold-war butts, plus as usual lying through their teeth.

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"If you're not looking for the truth, you will not find it."

—Brad Guth

"To believe with certainty we must begin with doubting."

—Stanislaus I

"The real voyage of discovery consists not in seeking new landscapes, but having new eyes."

—Marcel Proust

"Truth is given, not to be contemplated, but to be done. Life is an action, not a thought."

—F.W. Robertson

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Even Kurt Vonnegut would have to agree that; WAR is WAR, thus "in war there are no rules" – In fact, war has been the very reason why honest

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folks are having to deal with the likes of others that haven't been playing by whatever the supposed rules, such as our resident warlord(GW Bush) having invented WMD.

Life upon Venus, a township w/Bridge & ET/UFO Park-n-Ride Tarmac:

<http://guthvenus.tripod.com/gv-town.htm>

The Russian/China LSE-CM/ISS (Lunar Space Elevator)

<http://guthvenus.tripod.com/lunar-space-elevator.htm>

Venus ETs, plus the updated sub-topics; Brad Guth / GASA-IEIS

<http://guthvenus.tripod.com/gv-topics.htm>

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