

# Re: Lunar Space Elevator simply isn't for everyone

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William Mook,

Thanks for all the interesting numbers and even a touch of prosay on behalf of accomplishing LL-1 and usage of the LSE alternative. It makes you almost human, up until the point that you have to continually support the mindset and actions of our resident warlord(GW Bush) and otherwise keep insisting by way of your mindset of infomercial-science that's we've walked on the moon.

You obviously still don't have a clue as to the positive worth of the LSE-CM/ISS, but then you have to support whatever it is that you believe in, which excludes the truth as to what we should have been accomplishing as of more than a decade ago, if not from the very get-go since accomplishing LL-1 via the Saturn-V would have been absolutely impressive, entirely doable and proof-positive believable to boot.

To travel from Earth's surface to LEO requires that you accelerate an object to about 7 km/sec. When you add in gravity losses and air drag losses during ascent, of 2 km/sec, you need a vehicle capable of at least 9 km/sec.

So what?

Are you saying that our extremely inert massive Saturn-V did not have "the right stuff" of what was needed?

Unlike those bogus Apollo missions, we're not having to zoom past LL-1 or even having to get there any too fast, just for gently coasting the payload into the mutual nullification zone so that damn little if any retrothrust is necessary. We're talking about parallel parking, not per say going to the moon, and thus nearly 100% fuel/payload and least inert mass efficient.

The trek of getting substantial tonnage to LL-1 should have the rather significant advantage of a two-body alignment of using the sun and the moon, not to mention having tidal forces on the side of most efficiently getting a great deal of tonnage efficiently to LL-1 because, if need be the effort can take all of 29.5 days and there's nothing that has to return home or thereby having the impact of demanding spare tonnage of rocket energy and the associated machinery

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for retro-thrusting itself into such a gentle halo/elliptical station-keeping management of this interactive gravity-well orbit.

Basically, once you get into LEO, a single chemical kick stage can be used to bring you to any of these points in cislunar space. So, going from LEO to LL1 doesn't do a whole lot for you.

What the freaking sam hell are you talking about this time?  
"going from LEO to LL1 doesn't do a whole lot for you" means exactly what the hell is with your naysayism kicking in again?

I've never really considered it because its obvious to me that LL1 is pretty much useless.

As I've said before, "its obvious to me" that your dumbfounded naysayism is pretty much stuck in a very brown-nosed and status quo or bust rut.

Obviously of taking the fullest advantage of a much longer/extended shot of using Earth itself, plus the sun and moon alignments as for the gravity boosted velocity gain of getting the most tonnage with the least energy as headed for parking at LL-1 is going to involve some form of initial elliptical LEO.

We can double the payload per trip with a space station at LL1 equipped with a tether to the surface – if we use chemical rockets, which is worthwhile. We change the payload by less than 2% with a laser rocket.

I believe you're somewhat underestimating the greater potential and subsequent worth of not having to utilize those fly-by-rocket landers that'll need to get invented plus R&D created in the first place. However, I'll have to get back to a few other points, along with having a few more questions, that is once I get my three dyslexic brain cells up to snuff on what you've contributed.

I do otherwise appreciate those notions on "fusion propulsion", however that's for another day and another time or planet whenever we're not too busy at pillaging and raping the likes of mother Earth while exterminating every other Muslim on Earth for the blood-sport of taking their oil.

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Brad Guth

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