

# Re: The Cold Equations

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*Source:* <http://sci.tech-archive.net/Archive/sci.space.shuttle/2005-12/msg00306.html>

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- *From:* "tomcat" <[jlavine@xxxxxxxxxxxxxx](mailto:jlavine@xxxxxxxxxxxxxx)>
  - *Date:* 26 Dec 2005 17:22:25 -0800
- 

Brad Guth wrote:

>>NASA may plan on taking 12 years to return to the Moon, but Russia and  
>>China will probably be there in 4 or 5 years. The U.S. is heading for  
>>quite an . . . embarrassment. I wouldn't want to be in the NASA  
>>program when that happens! The American public will 'clean house'.  
> There you go again, by way of suggesting that we've ever been to the  
> surface of our moon in the first place, whereas you're suggesting that  
> we keep on perpetrating cold-wars and thus creating 911's if not  
> WW-III, and having to accept all sorts of things that simply are not  
> true.  
>  
> Going to the surface of the moon isn't worth 0.0001% of whomever  
> manages to first establish the LL1/ME-L1 sweet-spot on behalf of their  
> creating and sustaining the one and only LSE-CM/ISS. Obviously you  
> haven't gotten this punch-line because your dumbfounded head remains  
> firmly stuck way too deep into whatever's the nearest space-toilet that  
> supports your pagan NASA. That's a good million to one greater worth in  
> establishing the LSE-CM/ISS than for all the worth of folks walking on  
> the moon.  
>  
> With regard to our moving forward, and to things getting smaller  
> becoming better. Here's my recent reply to what was offered by  
> "timplated", as a good faith gesture on his part of merely taking my  
> word that we'd been summarily snookered by those having "the right  
> stuff" from the very get-go. After all folks, our perpetrated cold-war  
> with the USSR was 90% smoke and mirrors all along.  
>>timplated; - Ok. You've convinced me. Now...  
>>What next?  
>>Is there any, ANY plan for the next step? Do you intend to \*do\*  
>>anything other than posting angry screed to Usenet? So you have the  
>>truth, as you say in your signature. What do you want to do with this  
>>truth that you have?  
>>Now what?  
> The "next step" is for others to stop wasting time, talents and  
> resources on pretending that we've been there and done that moon  
> walking thing. Getting ourselves past all of that pretentious cold-war  
> gauntlet should allow folks to focus upon delivering a slew of smaller  
> satellites, and the likes of getting those LUNAR-A impact probes

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- > deployed.
- >
- > Of course, this would also represent that whenever ideas as to
- > alternative methods of accomplishing our moon or whatever else becomes
- > posted, that as such they're given the royal treatment of positive
- > respect as shared along with all the think-tank talent and expertise
- > instead of being summarily bashed because they're a little outside the
- > NASA/Apollo box.
- >
- > For example; – Deploying a serious batch of microsattellites should soon
- > become the relatively cheap and fast-track deployment alternative to
- > the otherwise typically big and complex multi-tonne sorts of satellites
- > that could never get safely onto the lunar deck, whereas getting
- > smaller is potentially what's capable of affording these much lower
- > density items into surviving after their orbit decay which leaves us
- > with but one final alternative, of our actually getting a few of these
- > interactive instruments deployed into if not situated upon the dark and
- > nasty surface of such a moon-dust covered terrain.
- >
- > I'm thinking along the lines of creating 100 units of a 618 mm thick
- > and 2 meter diameter saucer shaped microsattelite of perhaps an
- > elliptosphere or that of an ellipsoid flying saucer, as per each having
- > a cubic meter in volume, of their shape based upon a ratio of 2 Phi
- > (3.236068:1), thus lots of interior space for the sorts of tough basalt
- > micro balloon packing and composite reinforcements that shouldn't
- > hardly weigh anything. Perhaps as little as 309 mm by one meter
- > diameter might get interesting.
- >
- > There are countless expansive lunar terrain areas and even of
- > sufficiently large diameter craters hosting miles upon miles of their
- > relatively smooth moon-dust filled ponds that'll make for a little
- > interesting micro-lithobreaking form of a final moon-dust landing. I'll
- > suggest a 10 kg satellite that's taking up a cubic meter by volume just
- > might represent a surface tension compression factor of less than 0.325
- > g/cm<sup>2</sup>, thus actually end up floating itself on top of that nasty
- > moon-dust. I can think of all sorts of drag inducing methods of getting
- > such low density items down to a reasonable final landing velocity
- > that's sufficient as to surviving their arrivals upon such a low
- > surface-tension capable substance. These days, of satellites that could
- > become their own surface probes need not be large and bulky items,
- > whereas 10 kg is actually affording quite a bit of a viable satellite
- > package that's capable of obtaining a good deal of science and even
- > multiple camera instruments within.
- >
- > Until we have achieved a proven set of fly-by-rocket landers (robotic
- > as well as manned) under our moonsuit belts, whereas even the notions
- > of an earthshine illuminated landing site is going to remain testy if
- > not physically taboo. Therefore, the only manned applications I foresee
- > are those related to our accomplishing a little preliminary
- > station-keeping and thus all around butt-saving mission critical
- > location claiming at LL1/ME-L1 (that's supposedly a sweet-spot 60,000

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- > km above the lunar deck, as per that zone remaining gravity-well
- > aligned as keeping relatively in dead-center alignment with Earth, +/-
- > a certain amount of the interactive gravity-well halo/parallel parking
- > factor).
- >
- > So, I believe there's a lot to do and a great deal at stake for
- > whomever gets to hold onto this one and only LL1/ME-L1 worthy zone,
- > especially since there can be only one such LSE-CM/ISS. If that's not
- > good enough, in which case I have lots of other affordable and
- > obtainable plans of action that are absolute win-win opportunities for
- > our futures.
- > -
- > Brad Guth

Dear Brad:

You are right about those cloned types! My computer crashed big time. I no longer have outlook express messaging capability though I can still be reached at: jlavine@xxxxxxxxxxxxxx

I never had a chance to respond to your email on the pictures. Please resend that email. It was lost in the disaster. It will now go to a different mailing server.

Somebody is 'hot' about the Mars pictures. Wonder who?

tomcat

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### • *Follow-Ups:*

- ◆ **Re: The Cold Equations**  
◇ From: Brad Guth
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### • *References:*

- ◆ **Re: The Cold Equations**  
◇ From: tomcat
- ◆ **Re: The Cold Equations**  
◇ From: Jorge R. Frank
- ◆ **Re: The Cold Equations**  
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- Prev by Date: ***Re: STS-114 / Ariane 5 launch / Expedition 12 /***
- Next by Date: ***Re: The Cold Equations***
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