Re: Lowest orbit and DeltaV

Source: http://sci.tech−archive.net/Archive/sci.space.policy/2008−06/msg00124.html

- *From*: charliexmurphy@xxxxxxxxx

- *Date*: Thu, 12 Jun 2008 09:00:10 −0700 (PDT)

On Jun 12, 8:20 am, "Jim Relsh" <jre...@xxxxxxxxxxxxxx> wrote:

> "Jeff Findley" <jeff.find...@xxxxxxxxxxxxxx> wrote in message
>
> news:6d45b$484feaac$927a2cda$8517@xxxxxxxxxxx

> > "Jim Relsh" <jre...@xxxxxxxxxxxxxx> wrote in message
> > news:47f76$484fa12a$23972@xxxxxxxxxxxxxxxxxxxx
>
> > > What's the lowest practical orbit for a satellite to be in? I
> > > think I
> > > read somewhere that it was about 150km or so, but I keep
> > > wondering how
> > > they determine this. And what is the corresponding DeltaV to
> > > get into
> > > that orbit?
>
> > Not to sound like President Clinton, but that all depends on how you
> > define the word practical.
>
> > The ballistic coefficient of an object in a very low earth orbit has a
> > huge impact on how long it takes that object's orbit to decay. You could
> > determine the minimum orbital altitude which would keep a one ton sphere
> > of depleted uranium in orbit for a day, but is that really practical? Who
> > would orbit such a thing for such a short period of time?
>
> OK, let's assume I'm trying to put a mass of 1kg with the shape and size of
> a carton of milk in orbit for a minimum duration of 2 years. What altitude
> and DeltaV would I need for this:? Is it enough to know altitude and

> calculate DeltaV with the webform at:http://home.att.net/~ntdoug/UCM2.html.
> How would I determine the altitude?
>
> ** Posted fromhttp://www.teranews.com**

That is a orbital velocity calculator and not a delta V calculator for launch into orbit.

You won't get a quick and easy answer, it would take some number crunching
.