

Re: Beanstalk vs Voltage

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"Earl Colby Pottinger" <earlcp@idirect.com> wrote in message
news:M7CdnXXpmZvZjU7d4p2dnA@look.ca...
> "Gordon Couger" <gcouger@NOSPAMprovalue.net> :
>
> > "Duane C. Johnson" <redrok@redrok.com> wrote in message
> > news:40CF45.479691D2@redrok.com...
> > > Hi;
> > >
> > > MSu1049321 wrote:
> > >
> > > > Hey, this raises a question in my mind about beanstalks
> > > > and any electrical potential they may have between the
> > > > ballast point and the ground connection...
> > > > does such a beanstalk pass thru enough of the "layers" of
> > > > LEO to generate power, and would this be somehow of use?
> > >
> > > Probably the larger problem is inductive generation when
> > > the earth's magnetic field moves across the ribbon.
> > >
> > > You won't directly generate power like the tethered satellite
> > > experiment. The Beanstalk, since it travels with the earth's
> > > magnetic field, wouldn't directly generate power. However, it
> > > would generate power during magnetic storms when the fields
> > > move rapidly.
> > >
> > It will generate power when there is a change in the earth's magnetic
field.
> > The power grid moves with the earth and the field and it still gets
zapped
> > by fluctuations in the earth's magnetic field when a solar storm hits
just
> > right.
>
> And interesting enough after the fluctuations the power lines are still
> there, and they still work! So what is the big deal, it is the same for
the
> Beanstalk except since it does not have to conduct power to be used we can

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put

> *in as many insulating breaks as we want. And as a BeanStalk is not made of a*

> *conductor why expect that.*

>

> *Additionally, when Earth mag field moves it generates large currents but low*

> *voltages. Low voltages mean poor current flow in a BeanStalk which is not part of a closed circuit.*

>

If turned ot plasma it may well short the ionosphere ot ground with a resistance of a few ohms per Km. And the voltage difference in normal lower atmosphere can be 300 V/m I don't know how high it is at altitude.

Gordon