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Subject: Re: Satellite projection contour plots  
Posted by [Matt\[3\]](#) on Thu, 31 Mar 2011 18:56:25 GMT  
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On Mar 30, 12:37 pm, David Fanning <n...@idlcoyote.com> wrote:

> Matt writes:  
>> I'm trying to create a few contour plots on a satellite map  
>> projection. Mostly they look great, but from some viewing angles (the  
>> lon/lat that the 'satellite' is over), there seems to be some strange  
>> artifacts in my eps and png output. For example, I've put a plot up  
>> here (<http://dl.dropbox.com/u/13779929/h00200.png>) which looks good in  
>> the tropics, but goes a little crazy at the high-latitudes.  
>  
> This might be the best you can do these older graphics  
> commands. They often go a little crazy at high latitudes,  
> where the math jumbles up at the singularity of the pole.  
> I'll be interested to see if the new IDL 8 mapping functions  
> are any better at this.  
>  
> I note that there is a seminar on this topic at the  
> IDL user group meeting in Washington, D.C. in a couple  
> of weeks. I'll see if I can take some notes.  
>  
> Cheers,  
>  
> David  
>  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming:<http://www.idlcoyote.com/>  
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Thanks David, I think you're right about the math at high latitude.  
The problem appears to be less severe if the poles are not visible.  
I'd be interested to hear what they say at the D.C. seminar.

Cheers,

Matt

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