
Subject: Re: Satellite projection contour plots
Posted by [David Fanning](#) on Thu, 31 Mar 2011 19:08:43 GMT
[View Forum Message](#) <> [Reply to Message](#)

Matt writes:

- > 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.

I was playing around with contour plots on map projections a little bit this morning. In my case, I had random X,Y,Z data that had to be gridded before display. This could NOT be done properly from the contour command. Instead, I had to use Triangulate and Trigrd themselves, so I had more control over the parameter space.

Oddly enough, I got **completely** different results if I used spherical gridding compared to just normal gridding. I didn't know what to make of this, since I am not at all familiar with the data I was given. But, I do note that you **MUST** use CELL_FILL with the contour plot, rather than FILL or you get **exceedingly** strange results.

And even when I got "nice" results, it appeared that the contours did not match at the date line. They appeared to be one contour level off as they came together. I don't know what to make of that, either.

So, I am interested in the D.C. seminar, too. I'll take my data with me. :-)

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.")
