Subject: Re: contour filling maps

Posted by davidf on Tue, 17 Nov 1998 08:00:00 GMT

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M. Hamilton (mh@u.washington.edu) writes:

- > I'm having some trouble filling contours on maps. I'm using a simple
- > standard cylindrical projection, making an elevation/bathymetry map. If I
- > go beyond certain regions, the colors get all messed up...

Ah, oh. Here we go again. Have you tried CELL_FILL?

Cheers.

David

--

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Coyote's Guide to IDL Progamming: http://www.dfanning.com/

[Note: This follow-up was e-mailed to the cited author.]

Subject: Re: contour filling maps

Posted by M. Hamilton on Wed, 18 Nov 1998 08:00:00 GMT

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On Tue, 17 Nov 1998, David Fanning wrote:

- > M. Hamilton (mh@u.washington.edu) writes:
- >> I'm having some trouble filling contours on maps. I'm using a simple
- >> standard cylindrical projection, making an elevation/bathymetry map. If I
- >> go beyond certain regions, the colors get all messed up...

>

> Ah, oh. Here we go again. Have you tried CELL_FILL?

I see my printed documentation was out of date... cell_fill worked like a charm (although a little more slowly - but, it worked, which is all I care about in this case).

Thanks much for the help.

Mike

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"M. Hamilton" <mh@u.washington.edu> writes:

Which version of IDL are you using? Are you using /fill or /cell_fill? There are some known problems with contour,/cell_fill in IDL 5.0 which can only be resolved by upgrading. My version of the online help (idl 5.1.1) warns that the lon/lat arrays must be monotonically increasing when filling. (The warning comes in the section devoted to /cell_fill, but implies the caveat should be followed when using /fill also) Does you longitude array have a mixture of east and west longitude? There is also a warning not to fill cylindrical projections up to the pole, but rather a little shy of the pole, say +/-89.9 instead of =/-90.

```
>
>
> hello.
>
> I'm having some trouble filling contours on maps. I'm using a simple
  standard cylindrical projection, making an elevation/bathymetry map. If I
> go beyond certain regions, the colors get all messed up...
>
> I suspect the problem is related to teh limitation of filling contours or
> polygons over maps that cover more than a hemisphere, but, it seems like
> there should be a work around (I hope...???).
 I was unaware of any such limitation.
> Thanks for the help. Please respond via email also to
> mikeh@pmel.noaa.gov.
>
> Mike
>
  Michael Hamilton
                             mh@u.washington.edu
>
>
>
I don't speak for JPL, it doesn't speak for me.
Well, not all the time, at least.
```

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