
Subject: Re: filled contour chart problems
Posted by [David Fanning](#) on Tue, 15 Mar 2005 21:28:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Jill writes:

- > Yes, but I was doing it all wrong for a good reason, which I forgot to
- > mention. :)

Oh, right. Of course. :-)

- > Originally I was using /overplot in the first contour
- > command, but when I do that, the contour lines do not show up (but the
- > colored filled area does), and the grid lines only cover the land, not
- > the sea.

Yes, you will have to do one CONTOUR with CELL_FILL and OVERPLOT to draw the filled contours. Then another with just OVERPLOT to draw the contour lines.

- > So not thinking /overplot would help, I tried it just now
- > again and like magic, it worked...but only for 7 out of 10 of the
- > images (different geographic regions). Some of them still have the
- > original problem of having partial grid lines and no contour lines.

Could be all kinds of reasons for this. You are allowing IDL to choose contour intervals, for example. Could be some clipping problems going on. Hard to say without seeing all of your code.

- > They all now have a slightly smaller colored contoured area than the
- > lat/lon box, which I can live with, unless that is part of the problem.

I would say the lat/lon values you pass for CONTOUR do not correspond to the map limits you are using in MAP_SET if this is the case. You should see perfect alignment if you do it correctly.

- > I am getting the floating underflow error again.

Yes, well, we **all** get underflow warnings (they are seldom errors). You might have to live with this one, or learn to turn all warnings off (you have to prove you know what you are doing before I tell you how to do this :-). I do notice that even RSI-supplied code turns these errors off occasionally. (Note to RSI: couldn't we do something to fix this instead?)

- > I will check out the link you posted.

Yes, a search for CONTOUR in general on that web page should turn up a LOT of interesting reading. :-)

Cheers,

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
