
Subject: Re: contour filling

Posted by [swslandr](#) on Thu, 28 Apr 1994 10:44:14 GMT

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Russell L Scott (russell@athena.mit.edu) wrote:

: I've been trying to make some filled contours over a mapped area.
: So, I first set up my map background by using MAP_SET and then using
: contour with /fill to get filled contours.
: The only problem is that often IDL does not fill the contours
: correctly especially near the border of the contoured area.

: I came across a warning in the help pages under CONTOUR. It says:
: Note that when used with a map projection estab-
: lished by MAP_SET, only closed contours that do not
: intersect window borders are filled.
: Does anyone have any ideas on how to solve this poor contouring problem??

Yes, give up on CONTOUR. I had the same problem and was told by our resident IDL guru that the `official' IDL way of doing this is to: turn your data into an image using BYTSCl or similar and then to use MAP_IMAGE and TV to place it on your map. The following code seems to do the job:

```
img=bytsc1(my_data)
map_set, ..<whatever>..
new_img=map_image(img, startx, starty)
tv, new_img, startx, starty
```

The variables startx and starty are *returned* by MAP_IMAGE and give the position where the mapped data should go.

- Jason
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