
Subject: Re: Filled Contour Colors on Maps Incorrect
Posted by [Martin Downing](#) on Wed, 26 Sep 2001 15:27:15 GMT
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Ok your right enough, its not a bug! Inspired by Reimar's excellent example of actually reading the manual, I noted that under the CELL_FILL section of the CONTOUR routine it states:

"Tip - In order for CONTOUR to fill the contours properly when using a map projection, the X and Y arrays (if supplied) must be arranged in increasing order. This ensures that the polygons generated will be in counter clockwise order, as required by the mapping graphics pipeline."

Sure enough David's data had the Y data (LATS) in decreasing order. So all we need to do to fix David's puzzle is reverse the Y data before the plot routines:

```
lats = reverse(lats)
data = reverse(data, 2)
```

The example then works fine (and actually gives yet another different result if you just replace /FILL with /CELL_FILL)!

Cheers

Martin

Funny that RSI considers information that would have prevented this whole diversion a *tip* :)

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Martin Downing,
Clinical Research Physicist,
Orthopaedic RSA Research Centre,
Woodend Hospital, Aberdeen, AB15 6LS.
Tel. 01224 556055 / 07903901612
Fax. 01224 556662

m.downing@abdn.ac.uk

"David Fanning" <david@dfanning.com> wrote in message
news:MPG.161b9484d4bf047b9896cb@news.frii.com...

> Reimar Bauer (r.bauer@fz-juelich.de) writes:

>

>> You should use /CELL_FILL instead of /FILL with maps.

>

> Oh, right. Well, there you go! I learn something
> new nearly every day with IDL. :-)
>
> Thanks, Reimar.
>
> Cheers,
>
> David
>
> --
> David W. Fanning, Ph.D.
> Fanning Software Consulting
> Phone: 970-221-0438, E-mail: david@dfanning.com
> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
> Toll-Free IDL Book Orders: 1-888-461-0155
