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Subject: Re: Contour plots on maps

Posted by [Martin Schultz](#) on Mon, 22 May 2000 07:00:00 GMT

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Hi Simon,

what helped me often in these situations is to make sure that the data and your map projection are "aligned" correctly, i.e. for a regional plot (using the LIMIT keyword to MAP\_SET) you shouldn't have (much) more data than what fits onto the map, and in case you wrap your map around the dateline or play similar tricks, you should also shift your data accordingly. Although CELL\_FILL covers many of these situations, I still consider it a somewhat dirty trick and I am only happy after my plots appear similar with or without CELL\_FILL.

David: here is what could be the tip of the year 2000 (although not as simple and short as the decomposed thing): "Why are my (filled) contours so messy?"

Cheers,  
Martin

Simon de Vet wrote:

>

> David Fanning wrote:

>

>> There are several articles that you will really want to  
>> read on my web page, but I would start with this one,  
>> because you definitely have "holes" in your contour plots:

>

> I found this site, and already have incorporated the solution into my code.  
> If I plot my filled contours without a map projection, it plots beautifully,  
> with no holes or gaps.

>

> This is the problem: first, the lowest few contours are filled in. Then they  
> are all overwritten in white, and the next are filled in. These are also  
> whited out, and the last couple are plotted. Only the last ones are visible  
> when the plotting is complete.

>

> I am outputting all my plots to postscript files, and not to the screen

>

> I have also tried changing the centre of the plot, as you mentioned, so that  
> the data border corresponds to the plot border (Greenwich on the edge,

