
Subject: Re: Masking of land/sea

Posted by [Martin Schultz](#) on Fri, 27 Nov 1998 08:00:00 GMT

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Ole Bossing Christensen wrote:

> Dear all of you,
>
> I hope this is a simple question:
>
> I am using IDL 5.1 for IRIX at an O2.
>
> I have an irregular grid of land-based observations, which I want to
> plot on a map using CONTOUR,/irregular,/cell_fill. I will show map and
> grid using (MAP_SET), MAP_CONTINENTS, and MAP_GRID. Is there a way to
> avoid contour colors over sea, where they do not have a physical
> meaning? Something reciprocal to MAP_CONTINENTS,/fill_continents , may
> be?
>
> Thanks in advance! /Ole
> --
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if you are only looking for a solution in screen resolution, you could

- (1) plot your map with filled continents
- (2) read the image with tvread()
- (3) extract all "ocean" points with where(image eq 0) ; or whatever
your background color is
- (4) draw your contours
- (5) read your image again with tvread()
- (5) put the oceans back in: image2[ocindex] = background_color
- (6) display the result with tv,image2

for a somewhat better resolution you could do all of the above in a big
pixmap, but if you are looking for a "generic" postscript resolution
capable way... I don't know...

Hope this helps,
Martin.

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