
Subject: Re: country outlines

Posted by [David Fanning](#) on Fri, 06 Mar 2009 14:48:29 GMT

[View Forum Message](#) <> [Reply to Message](#)

oxfordenergyservices@googlemail.com writes:

> I have been using MAP_CONTINENTS but I am not really pleased with the
> results. I am trying to overlay a map of the UK onto an array which
> represents geographic data corresponding to the area of the map.
> Does anyone know how I can get the longs/lats of the coastlines out
> of idl?

You might prefer to use the GSHHS Shoreline dataset.

http://www.dfanning.com/map_tips/gshhs.html

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: country outlines

Posted by [oxfordenergyservices](#) on Fri, 06 Mar 2009 15:24:35 GMT

[View Forum Message](#) <> [Reply to Message](#)

On 6 Mar, 14:48, David Fanning <n...@dfanning.com> wrote:

> oxfordenergyservi...@googlemail.com writes:
>> I have been using MAP_CONTINENTS but I am not really pleased with the
>> results. I am trying to overlay a map of the UK onto an array which
>> represents geographic data corresponding to the area of the map.
>> Does anyone know how I can get the longs/lats of the coastlines out
>> of idl?
>
> You might prefer to use the GSHHS Shoreline dataset.
>
> http://www.dfanning.com/map_tips/gshhs.html
>
> Cheers,
>
> David

Thanks david, I'll have a look at that, although my problem is not the

poor resolution but matching it to the window ie

```
window,1,xsize=14*50,ysize=20*50
MAP_SET, /cylindrical, 0, 0, 0, noborder=1,/ISOTROPIC, $
/HORIZON, /GRID, COLOR=black ,limit=[44,-10,64,4]
MAP_CONTINENTS
```

gives the map and the long and lat lines, but they don't go to the edge of the window. i want to bytscl an array which is fltarr (14*50,20*50) and plot the border over the top?

Russ

Subject: Re: country outlines

Posted by [David Fanning](#) on Fri, 06 Mar 2009 15:47:40 GMT

[View Forum Message](#) <> [Reply to Message](#)

oxfordenergyservices@googlemail.com writes:

```
> Thanks david, I'll have a look at that, although my problem is not the
> poor resolution but matching it to the window ie
>
> window,1,xsize=3D14*50,ysize=3D20*50
> MAP_SET, /cylindrical, 0, 0, 0, noborder=3D1,/ISOTROPIC, $
> /HORIZON, /GRID, COLOR=3Dblack ,limit=3D[44,-10,64,4]
> MAP_CONTINENTS
>
> gives the map and the long and lat lines, but they don't go to the
> edge of the window. i want to bytscl an array which is fltarr
> (14*50,20*50) and plot the border over the top?
```

Ah, yes. Well, about half the map projection tips on my web site are concerned with just this problem. :-)

I'd start with these:

```
http://www.dfanning.com/map_tips/precipmap.html
http://www.dfanning.com/map_tips/tiffoverlay.html
http://www.dfanning.com/map_tips/modis_overlay.html
```

I've even resorted, lately, to putting pictures of sexy women in the articles to entice people to read them. ;-)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: country outlines
Posted by [David Fanning](#) on Fri, 06 Mar 2009 15:57:47 GMT
[View Forum Message](#) <> [Reply to Message](#)

oxfordenergyservices@googlemail.com writes:

```
> Thanks david, I'll have a look at that, although my problem is not the
> poor resolution but matching it to the window ie
>
> window,1,xsize=3D14*50,ysize=3D20*50
> MAP_SET, /cylindrical, 0, 0, 0, noborder=3D1,/ISOTROPIC, $
> /HORIZON, /GRID, COLOR=3Dblack ,limit=3D[44,-10,64,4]
> MAP_CONTINENTS
>
> gives the map and the long and lat lines, but they don't go to the
> edge of the window. i want to bytscl an array which is fltarr
> (14*50,20*50) and plot the border over the top?
```

Take off your ISOTROPIC keyword and set XMARGIN and YMARGIN to 0.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: country outlines
Posted by [oxfordenergyservices](#) on Tue, 10 Mar 2009 10:24:43 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 6 Mar, 15:57, David Fanning <n...@dfanning.com> wrote:

```
> oxfordenergyservi...@googlemail.com writes:
>> Thanks david, I'll have a look at that, although my problem is not the
>> poor resolution but matching it to the window ie
>
>> window,1,xsize=3D14*50,ysize=3D20*50
>> MAP_SET, /cylindrical, 0, 0, 0, noborder=3D1,/ISOTROPIC, $
```

```
>> /HORIZON, /GRID, COLOR=3Dblack ,limit=3D[44,-10,64,4]
>> MAP_CONTINENTS
>
>> gives the map and the long and lat lines, but they don't go to the
>> edge of the window. i want to bytscl an array which is fltarr
>> (14*50,20*50) and plot the border over the top?
>
> Take off your ISOTROPIC keyword and set XMARGIN and YMARGIN to 0.
>
> Cheers,
>
> David
```

Excellent, Many Thanks David

It works a treat! I did start on those links you gave me but got
distracted by things that were less hard!

Russ
