
Subject: Re: map_set coastline data

Posted by [David Fanning](#) on Wed, 08 Jan 2003 17:14:03 GMT

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paul wisehart (wisehart@runbox.com) writes:

- > How do I get at the data that map_set uses
- > to plot coastline/continents?
- >
- > I can find the actual files on my machine, I
- > just don't know how to open them.
- >
- > in the directory:
- > /usr/local/rsi/idl/resource/maps/low
- > there are files:
- > clow.dat clow.ndx ... etc.
- >
- > can I open them using some flags to the
- > openr command?
- >
- > I don't care about formatting as long as
- > I can get an ascii representation of the
- > data.

You can see how IDL opens these files by looking at MAP_CONTINENTS. I'm afraid the files are binary files, though. :-(

Cheers,

David

--

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

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Subject: Re: map_set coastline data

Posted by [Rick Towler](#) on Wed, 08 Jan 2003 18:09:07 GMT

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"paul wisehart" <wisehart@runbox.com> wrote

- > Hi,
- >
- > How do I get at the data that map_set uses

- > to plot coastline/continents?
- >
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- > just don't know how to open them.i
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- > openr command?
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- > I don't care about formatting as long as
- > I can get an ascii representation of the
- > data.

Maybe you should look into other data sources. Maybe this would be a start:

<http://www.ngdc.noaa.gov/mgg/shorelines/noaamrdvs.html>

-Rick

Subject: Re: map_set coastline data
Posted by [paul wisehart](#) on Wed, 08 Jan 2003 19:07:38 GMT
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- > You can see how IDL opens these files by looking at
- > MAP_CONTINENTS. I'm afraid the files are binary files,
- > though. :-(

I hacked into map_continents.pro , and redirected the plots to *my* ascii file. It looks good so far.
(I haven't tried to do anything w/it yet)

I used the low-res file for now, and it has ~8500 lat-lon points.

Here's what it looks like:

```
... ..  
... ..  
... ..  
173.170 -35.3300  
173.500 -35.6700  
173.830 -36.0800  
174.170 -36.5000  
174.420 -36.9200  
174.920 -37.0000
```

174.670 -37.2500
174.830 -37.5800
174.920 -38.0000
174.670 -38.4200
174.580 -38.9200
174.080 -39.0800
173.750 -39.3300
166.500 -45.9200
166.750 -46.1700
167.250 -46.2500
167.580 -46.1700
167.830 -46.4200
168.330 -46.5000
169.000 -46.6700
169.670 -46.5000
170.170 -46.2500

... ..
... ..
... ..

Thanks for the idea!

--
paul wisehart
wisehart <at> runbox <dot> com