
Subject: high resolution coastlines

Posted by [Julie Greenwood](#) on Thu, 17 Feb 2000 08:00:00 GMT

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Hello Everybody

I wonder if anyone has adapted the World Vector Shoreline or something similar for use with IDL. I find the 'hires' coastlines included with IDL to be deficient for my needs.

Julie

~~~~~  
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The Hunger Site - Donate Food for Free to  
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Subject: Re: high resolution coastlines

Posted by [Julie Greenwood](#) on Tue, 22 Feb 2000 08:00:00 GMT

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Thanks for the pointer, Mark, and Liam too, vicariously.

For fun, here are some related links:

WVS Coastline Extractor: <http://crusty.er.usgs.gov/coast/getcoast.html>  
Bathymetry Extractor: <http://128.160.23.42/dbdbv/dbdbv.html>

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Mark Hadfield <m.hadfield@niwa.cri.nz> wrote in message
news:950820600.235630@clam-55...

> Julie Greenwood <julieg@NOSPAMoceanweather.com> wrote in message
> news:saoivr6q2pd44@corp.supernews.com...

>> Hello Everybody

>>

>> I wonder if anyone has adapted the World Vector Shoreline or something

>> similar for use with IDL. I find the 'hires' coastlines included with

IDL

>> to be deficient for my needs.

>

> Me too.

>

> Don't bother with the World Vector Shoreline, get the Global

> Self-consistent, Hierarchical, High-resolution Shoreline Database:

>

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

>

> It's a group of shoreline datasets at several different resolutions, based

> on WVS and other datasets, but cleaned up (intersecting segments removed

> etc):

>

> I mentioned this on the group in December and got a reply from Liam Gumley

> who has done some work on reading & displaying this dataset. Part of his

> message is included below my signature.

>

> ---

> Mark Hadfield

> m.hadfield@niwa.cri.nz <http://katipo.niwa.cri.nz/~hadfield/>

> National Institute for Water and Atmospheric Research

> PO Box 14-901, Wellington, New Zealand

>

>

> *** Excerpt of message from Liam Gumley ***

>

> I've played around with converting this dataset to IDL coastline format,

> because as you've noted, the IDL coastline data is not too flash. I've

> put the relevant files online, feel free to grab any or all of them:

> (<ftp://origin.ssec.wisc.edu/pub/gumley/IDL/gshhs/>)

>

> gshhs_frames.xdr -> a saved frame file that you can display with

> FRESTORE:

> (<http://cimss.ssec.wisc.edu/~gumley/frame.html>)

> It shows the difference in quality between the IDL coastline and the

> GSHHS coastline data off the tip of Florida.

>

> gshhs_to_idl.pro -> a procedure for converting GSHHS format to IDL map
> format.
>
> map_con.pro -> a modified version of map_continents.pro which uses the
> coastline data derived from GSHHS. It works in quite a few cases, but in
> some cases it failed to draw the coastlines properly (I think Africa had
> some problems).
>
> phigh.dat, phigh.ndx -> GSHHS data converted to IDL format (used by
> map_con).
>
>
>
>
>
