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Subject: Re: Digital Chart of World (WorldMap)

Posted by [Mark Hadfield](#) on Mon, 07 Dec 1998 08:00:00 GMT

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Nando Iavarone wrote in message <36672204.665D0EDC@acsys.it>...

> Hi all,

> I need to access to the IDL database of DCW.

>

> Particularly I need a function returning a vector

> of lat/lon coordinates of a feature (e.g. rivers or coasts)

> in a region of interest,

In map\_continents.pro, there is a function called MAP\_GETINDEX which reads the index data (position in file, number of points, lon/lat range for each segment) in a map index file. The index files have names like

.../IDL52/resource/maps/high/\*.ndx

.../IDL52/resource/maps/low/\*.ndx

Attached is code for a function, MAP\_GETDATA, which reads the lon/lat data for a specified segment. The data files have names like

.../IDL52/resource/maps/high/\*.dat

.../IDL52/resource/maps/low/\*.dat

MAP\_GETDATA calls FDECOMP from the IDL Astronomy Users Library (<http://idlastro.gsfc.nasa.gov/homepage.html>)

To find all the segments for a specified ROI, you need to read in the index data then search for lon/lat ranges that match the ROI. Unfortunately, segments don't correspond very well to "features", ie a coastline or river may be split into several segments.

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## File Attachments

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1) [map\\_getdata.pro](#), downloaded 106 times

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