Subject: Re: Digital Chart of World (WorldMap)
Posted by Mark Hadfield on Mon, 07 Dec 1998 08:00:00 GMT

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
1) map_getdata.pro, downloaded 75 times