
Subject: IDL - Extracting data from within boundary defined by shapefile

Posted by [katie](#) on Sat, 27 Nov 2010 12:04:03 GMT

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Hello all,

I am using IDL 6.1, and was wondering if it's possible to extract data (defined by lat and long gridpoints) from within a boundary defined by a shapefile. For example, I have a contour map of global soil moisture, but would only like to look at the data within the Mississippi River Basin. I have the shapefile for this basin, and have overplotted it onto the contour map so I can see the basin outline and note that it is properly projected on top of my data, but I do not know where to go from there.

Any advice would be great!

Thanks,

Katie

Subject: Re: IDL - Extracting data from within boundary defined by shapefile

Posted by [katie](#) on Thu, 02 Dec 2010 04:28:50 GMT

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David -

"You actually have 64*128 points that you want to check, so you have to make that many lats and lons:"

I actually thought about that after I wrote the message, but didn't know how exactly to do it, so thanks for the code. And I did end up needing to shift my longitudes around for the ContainsPoints to find them, so thanks for that link as well. :-)

Paulo -

Noted about the loop, and fixed. Thanks for finding that and pointing it out.

Things are now working a whole lot better for me. Thanks guys!
