
Subject: Re: Separating land and ocean data in IDL
Posted by [siumtesfai](#) on Sat, 11 Jul 2015 05:47:17 GMT
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Hello all,

Any suggestion on my question . Please I need your help . If the question is not clear, please also let me know

Best regards

On Friday, July 10, 2015 at 3:33:25 PM UTC-4, siumt...@gmail.com wrote:

> Hello all,
>
> I have climate model output data in IDL sav file format and NCDF file.
>
> Dimension of the data
>
> Sz=size (DATA)
>
> longitude= sz(1) : 0-360 degree
> latitude = Sz(2) : -90S to 90N
> pressure = Sz(3) : 1000hPa to 10hPa
> time = Sz(4) : 1979 to 2005
>
>
> The data is global. I can extract regions . For example , North america domain by restricting my longitude and latitude. That is easy. I would use "Where" command
>
>
> E.g lat=where(latitude GE lat1 and latitude LT lat2)
> lon =where(longitude GE lon1 and longitude LT lon2)
>
> DATA1=data(lon,lat,*,*)
>
>
> My question is how can you extract only data at the continental north america over land. I am not interested in analyzing data over the oceans (i.e North Pacific and Atlantic)
>
> Waiting for your suggestion.
>
> Thank you for you help
>
> Best regards
