
Subject: Extracting data over land surface and exclude data over ocean in IDL

Posted by [siumtesfai](#) on Fri, 10 Jul 2015 18:23:20 GMT

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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)
