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Subject: Re: avhrr data extraction  
Posted by Matt[2] on Mon, 04 Jun 2012 14:33:12 GMT  
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Hi Anil,

I think what you want is to just grab the SST data  
bsloni=loni[4715:5057]  
bslati=lati[1006:1142]  
bsst = sst[4715:5057, 1006:1142]

That looks like Australia to me. That what you were expecting?

Hope that helps.

Matt

On Jun 4, 6:46 am, anil <akpinar.a...@gmail.com> wrote:

> Hi,  
> I have downloaded some daily ,04km, night time sea surface temperature  
> data from avhrr. an example:[ftp://podaac-ftp.jpl.nasa.gov/allData/avhrr/L3/pathfinder\\_v5/daily/ni...](ftp://podaac-ftp.jpl.nasa.gov/allData/avhrr/L3/pathfinder_v5/daily/ni...)  
>  
> I want to read these data and extract the values for a region (defined  
> latitudes and longitudes). To read the data , I use:  
>  
> file=hdf\_sd\_start('2002252.s04d1pfv50-sst.hdf')  
> indexa=hdf\_sd\_nametoindex(file,'lon')  
> indexb=hdf\_sd\_nametoindex(file,'lat')  
> indexc=hdf\_sd\_nametoindex(file,'sst')  
> varida=hdf\_sd\_select(file,indexa)  
> varidb=hdf\_sd\_select(file,indexb)  
> varidc=hdf\_sd\_select(file,indexc)  
> hdf\_sd\_getdata,varida,loni  
> hdf\_sd\_getdata,varidb,lati  
> hdf\_sd\_getdata,varidc,ssti  
> hdf\_sd\_endaccess,varida  
> hdf\_sd\_endaccess,varidb  
> hdf\_sd\_endaccess,varidc  
> hdf\_sd\_end,file  
>  
> ;bsloni=loni(4715:5057)  
> ;bslati=lati(1006:1142)  
> end  
> I want to extract the latitudes (1006 to 1142) and longitudes (4715 to

> 5057) and the corresponding sea surface temperatures (sst's) .At the  
> end I need to end up with something like:  
> 40.75 36.74 sst1  
> 40.75 36.88 sst2  
> 40.82 37.12 sst3  
> ..... and so on. How can i do this? Defining  
> a bsloni and bslati gives me the latitudes and longitudes but how do i  
> get the corresponding sst's? With some kind of a where function? or a  
> few for loops?or some other way?

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Matthew Savoie - Senior Software Developer  
National Snow and Ice Data Center  
(303) 735-0785 <http://nsidc.org>

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