Subject: Re: CMIP5 files - time
Posted by David Fanning on Thu, 10 Oct 2013 13:46:18 GMT
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limiqt@gmail.com writes:

> I was wondering if you could help me with the following. I am using monthly CMIP5 files. These files are ncdf files. This files have a variable (data) changing with time and the time info embedded in the .nc files.
>
> Im doing this:
> filein='pr_Amon_HadGEM2-ES_piControl_r1i1p1_198412-200911.nc '
> ncid = ncdf_open(fileIn)
> ncim = ncdf_varid(ncid, 'pr')
> NCDF_VARGET, ncid, ncim, _data
> sdata=size(_data)
> nc=sdata(1) & nl=sdata(2) & nt=sdata(3)
> print, nc, nl, nt
>
> I get : 192   145   300
>
> The dimensions in the file are time, lat, lon and pr
>
> I need to read the time from the .nc file and associate each time to the variable. Eg:
> time 0 (198412) should be 192x145x0
> time 1 (198501) should be 192x145x1
> ..
> ..
> time 299 (200911) should be 192x145x299
>
> I was wondering if someone could help me solving this problem.

I'm not sure what problem we are talking about. Read the time variable
out of the file. It will be associated with the arrays as you expect it
to be.

If you don't know the name of the time variable, you can browse the file
with ncdf_browser from the Coyote Library.

Cheers,

David
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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")