
Subject: Re: CMIP5 files - time

Posted by [SonicKenking](#) on Fri, 11 Oct 2013 00:33:40 GMT

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On Tuesday, October 8, 2013 5:29:08 AM UTC+11, Lim wrote:

> Hi everyone,

>

> I was wondering if you could help me with the following. I am using monthly CMIP5 files. These files are ncdf files. These files have a variable (data) changing with time and the time info embedded in the .nc files.

>

>

>

> I'm 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.
>
>
>
> Thanks
>
>
>
> Lim.

Do you mean something like the following?
for i=0,299 do (scope_varfetch("time_"+strtrim(i,2), /enter)) = _data[*,*,i]
