
Subject: Re: NetCDF and empty variables
Posted by [R.Bauer](#) on Mon, 20 Apr 2009 09:25:07 GMT
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renaud.dussurget@gmail.com schrieb:

> Hi,
> I've been trying reading a NC file with David Fanning's (very handy!)
> NCDF_DATA object, and it failed reading a file while parsing it.
> After trying to understand where it was crashing, I've realised that
> this variable was empty (though it is supposed to have 3 dimensions)
> and that IDL NCDF_VARGET function was not able to deal with this
> problem...

Can you share an example file? I am interested if my read_ncdf routine
crashes too.

cheers

Reimar

>
> An example :
>
> IDL>ncid = NCDF_OPEN('myFile.nc')
> IDL>varld = NCDF_VARID(ncid,'HISTORY_INSTITUTION')
> IDL>out=NCDF_VARINQ(ncid, Varld)
> IDL>help, out, /str
> ** Structure <a9c098>, 5 tags, length=56, data length=52, refs=1:
> NAME STRING 'HISTORY_INSTITUTION'
> DATATYPE STRING 'CHAR'
> NDIMS LONG 3
> NATTS LONG 3
> DIM LONG Array[3]
>
> IDL>print, out.dim
> 6 8 12
>
> IDL>NCDF_VARGET, ncid, varld, data, COUNT=cnt
> % Array dimensions must be greater than 0.

>
> I have found a simple way to deal with this, however I don't really
> like it...
> IDL>cmd = 'NCDF_VarGet, ncid, varld, data

> IDL>res= EXECUTE(cmd)
> % Array dimensions must be greater than 0.
>
> And then in the code, write something like this
> IF (res EQ 0) THEN data = -1
>
> Does anyone has a better solution???
>
> Thanks
> Bye
>
>

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