
Subject: Re: NetCDF and empty variables

Posted by [renaud.dussurget](#) on Mon, 20 Apr 2009 12:11:31 GMT

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Here is the file:

`ftp://ftp.ifremer.fr/ifremer/argo/dac/coriolis/69003/69003_p rof.nc`

Renaud

On 20 avr, 11:25, Reimar Bauer <R.Ba...@fz-juelich.de> wrote:

> -----BEGIN PGP SIGNED MESSAGE-----

> Hash: SHA1

>

> renaud.dussur...@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, varId, 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, varId, 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
>
> -----BEGIN PGP SIGNATURE-----
> Version: GnuPG v2.0.9 (GNU/Linux)
> Comment: Using GnuPG with SUSE -http://enigmail.mozdev.org
>
> iEYEARECAAYFAknsP3lACgkQ5aOc3Q9hk/kaowCggAblq8UPEa2u5UpvS4Gk Ym39
> kjwAnihW7IT92JMA/JDNyvNOExIRfGI/
> =7lp4
> -----END PGP SIGNATURE-----
```
