
Subject: Re: NCDF_ATTPUT_FillValue problem for string arrays?

Posted by [R.Bauer](#) on Wed, 08 Jul 2009 13:55:57 GMT

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Paul van Delst schrieb:

> Fiz 1/2LDY Lajos wrote:

>>

>>

>>

>> NCDF_VARDEF needs dimension ID, not dimension size. The following code
>> works for me:

>>

>> ncid=ncdf_create('test.nc', /clobber)

>> dim32=ncdf_dimdef(ncid, 'dim1', 32)

>> n_absorbers_dimid=ncdf_dimdef(ncid, 'dim2', 9)

>> varid = ncdf_vardef(ncid, 'absorber_units_name',

>> [dim32,n_absorbers_dimid], /char)

>> ncdf_attput, ncid, varid, '_fillvalue', ''

>> ncdf_control, ncid, /endef

>> ncdf_close, ncid

>

> Just a final followup - I changed the definition of the offending

> attribute to "_fillvalue" in my production code and now the ncdf_attput

> works as expected.

>

Not really. Now you just use the internal defined _FillValue of the
netCDF format. You have now just added an additional attribute which is
not used as initial value for creating the netCDF variable.

That var is similiar to make_array(10,value=FillValue, /string)

Also it breaks the standard definition of attributes but this would make
only problems when you share your data.

And we have run in this problems too. using a double fill var and having
float arrays makes also some fun. q_icg_struct was changed in 2003 to
care on that.

(since idl6.0 netCDF3.5.0 fill values must checked to be same type as
param. missing value is checked too.)

cheers

Reimar

> thanks again. I have little hair left to tear out when these annoyances

> arise so you've saved me a tuft or two! :o)
>
> cheers,
>
> paulv
>
> p.s. I should note that the futzing up of the `_fillvalue` attribute
> **only** occurred for character variable output. Any other datatype (byte,
> long, float, double etc) handled the camel case attribute name fine. Weird.
