Subject: Re: The good way to use cdfid's
Posted by Fabzou on Mon, 20 Jun 2011 14:18:30 GMT
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Hi,

Thanks for your reply. In my case, it is not occurring randomly but
after a certain number of open/close :

```
IDL> print, !VERSION
{ x86_64 linux unix linux 7.1.1 Aug 21 2009      64      64}
IDL> crash_ncdf
% Compiled module: CRASH_NCDF.
theError =           0
/tmp/sample_hand.nc
% Loaded DLM: NCDF.
theError =       -1005
i =       32766
ncdf_fid =  -2147483648
% CRASH_NCDF: NCDF_CLOSE: -2147483648 is not a valid cdfid.
% Execution halted at: CRASH_NCDF        24
/home/fab/disk/IDLWorkspace/ze_Dev/crash_ncdf.pro
%                    $MAIN$
```

Well... I've given up using IDL for low-level NCDF tools anyway
(post-processing, etc.) but I'll be happy to find a solution to this.

We will switch to CDO, but I now that some very big organizations (e.g.
http://oceancolor.gsfc.nasa.gov/) use IDL to generate some
post-processed products in NCDF format. Probably they a stable version
of IDL working...

Fabzou

On 06/20/2011 03:42 PM, Jos de Laat wrote:

```
>  pro create_hand_sample,  file
>      compile_opt idl2, logical_predicate
>      print, file
>      sample_var =  dindgen( 4, 3 )
>      ncid = ncdf_create(file, /CLOBBER)
>      dimidx = ncdf_dimdef( ncid, 'x', 4 )
>      dimidy = ncdf_dimdef( ncid, 'y', 3 )
>      varid = ncdf_vardef( ncid,  'variable', /double )
>      ncdf_control, ncid, /ENDEF
>      ncdf_varput,  ncid,  varid, sample_var
```

```
>     ncdf_close,  ncid
>
>  end
>
>  pro crash_ncdf
>     compile_opt idl2, logical_predicate
>
>     catch,  theError
>     print, 'theError = ',theError
>     if theError ne 0 then begin
>        Catch, /cancel
>        print,  "i = ",  i
>        print,  "ncdf_fid = ",  ncdf_fid
>        message,  !ERROR_STATE.msg
>     endif
>
>     file = '/tmp/sample_hand.nc'
>     create_hand_sample,  file
>
>     long_iteration = 19000000L
>
>     for i =  0l,  long_iteration do begin
>        ncdf_fid =  ncdf_open( file,  write = 0 )
>        ncdf_close,  ncdf_fid
>     endfor
>
>     print,  'Successfully completed first iterations'
>     window,  /free
>     wdelete
>
>     for i =  0l,  long_iteration do begin
>        ncdf_fid =  ncdf_open( file,  write = 0 )
>        ncdf_close,  ncdf_fid
>     endfor
>
>     print,  'Successfully completed second iterations'
>
>  end
```