Subject: Inconsistent problem of HDF I/O
Posted by K.Y.Choi on Wed, 27 Nov 2002 16:02:31 GMT
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Hello

I've got HDF files that have been created with NCSA HDF Version 3.3
Release 3, February 1994. It contains several VGroups and one or two
SD objects. I wrote an IDL code for the HDF file I/O, that extracts
some file information from VGroups, as well as image data in SD
objects.

My routine has inconsistant problem, that is, when I tried to run my
code to open a file, it some times yields error message like

% HDF_CLOSE: Failed to close file (ï¿½).

In parentheses, it shows funny ASCII shapes, such as ï¿½ shape or |
shape. With or without recompiling, it *sometimes* works after a
couple of trials for the same file. The file has no problem whatsoever
with HDF_BROWSER, indicating that the HDF file is fine.

Only solution I can think of was to seperate HDF_OPEN - HDF_CLOSE from
HDF_SD_START - HDF_SD_ENDACCESS - HDF_SD_END. Hence structure of my
code is as follows,

HDF_OPEN
 :
access VGroup
 :
HDF_CLOSE

HDF_SD_START
 :
access SD
 :
HDF_SD_ENDACCESS
HDF_SD_END

HDF_OPEN
 :
access VGroup
 :
HDF_CLOSE

The error always points HDF_CLOSE at the end of the routine

I thought (still think) HDF_OPEN - HDF_CLOSE and HDF_SD_START -

HDF_SD_ENDACCESS - HDF_SD_END behave exactly like OPENR /GET_LUN - FREE_LUN. But they don't?

Should I blame a guy who creats the HDF file or IDL or myself? How am I improve my routine as solid as BMW?

I look forward to hearing from you guys soom. Please share your wisdom and experience...

Thanks

Reno