Subject: Re: reading HDF with HDF_SD_START() Posted by fanxing_gis on Mon, 08 Oct 2007 07:06:40 GMT

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On 10 8, 11 57, David Fanning <n...@dfanning.com> wrote:
> fanxing_...@163.com writes:
>> i'm sorry to state the occasion when the error listed above occurs.I
>> write a programme to view the HDF data structue including scientific
>> data set, global attributes and attributes of SD. To do that i start a
>> new IDL session and open the HDF file with hdf sd stat(),it worked
>> well, all the SDs were listed in widget list using hdf get info(), here
>> i click each of the SDS the attributes or the information of the SDS
>> could be showed in a text widget, at the beginning it is run well, but
>> repeat the process several times the programme was halted and the
>> error message is printed:
>
>> HDF_SD_START: Unable to start the HDF-SD interface.
>> Execution halted at: $MAIN$
>> in the same session i write the follow code in command line, and the
>> same error message printed as above.
>
   IDL> a=dialog_pickfile()
            hdfid=hdf_sd_start(a)
>> IDL>
>> after that, i try the fileinfo() function, it's worked well, the result
>> is as follows:
>> ** Structure <11534e0>, 7 tags, length=36, data length=36, refs=1:
                   STRING
                              'D:\AST_09T_003080820010402180000000.hdf'
     NAME
>>
     EXIST
                   LONG
>>
                                    1
     READ
                   LONG
>>
     WRITE
                   LONG
>>
                                    1
     HDF
                  LONG
                                   1
     NETCDF
                    LONG
                                     0
>>
     SI7F
                  LONG
                              14324417
>> if i describe that clearly ,i hope you kind guys could help me
>
  Well, here is my guess. I think the variable you are
  passing to HDF_SD_START in your widget program is not
> what you think it is. But this is only a guess. I do
> think the chances of it being a programming error is
 the most likely probability. I'd start checking *all*
  your assumptions.
>
  Cheers.
>
>
  David
 David Fanning, Ph.D.
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- > Fanning Software Consulting, Inc.
- > Coyote's Guide to IDL Programming:http://www.dfanning.com/
- > Sepore ma de ni thui. ("Perhaps thou speakest truth.")-

> > -

thanks David, the problem has been solved, and the reason is just what you think, a programming error resulting from unclosing the HDF file cursorily, so the SD interface handle were used up.