
Subject: Re: HDF_SD_START: Invalid HDF file or filename: problem related to network issues

Posted by [David Fanning](#) on Tue, 22 Oct 2013 18:44:49 GMT

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Robert Levy writes:

```
>
> Hi all,
> I am a group newbie, so i apologize if a solution exists but I didn't find.
>
> Anyway, I am running a giant script to read thousands of MODIS HDF data files, which the files
are located on a LVES mount (data are virtually mounted through a network).
>
> So the problem seems to be that there are occasional network "blips" that happen. For
example, I run these command:
>
> 1) determine that the file exists and is a proper HDF file
>   fileHandle = HDF_OPEN(Filename, /READ )
>   IF fileHandle LT 1 THEN BEGIN
>     errorLevel = 1
>     Return, errorLevel
>   ENDIF
>   HDF_CLOSE, fileHandle
>
>
> 2) Then I go and actually open the file:
>
>   hdfid = HDF_SD_START(Filename, /READ)
>
>
> This is where the code bombs and gives me:
>   HDF_SD_START: Invalid HDF file or filename
>
> and stops my whole code. This file exists and is a perfectly fine file.
>
>
> Note that this may happen after the code is running for days (opening and closing files). If I try
a second later, it works fine. Is there any way to have HDF_SD_START exit gracefully, and return
an error code, rather than stop with error message? Then I could know it is a network problem
and try again a few seconds later.
>
> Thanks for any ideas.
```

Well, CATCH error handlers are always pretty useful. :-)

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
