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

Posted by [xin.xi30](#) on Wed, 20 Jan 2016 21:33:43 GMT

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On Tuesday, October 22, 2013 at 11:06:50 AM UTC-7, Robert Levy wrote:

> 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.
>
> -Rob

Hi Rob,

Have you found a solution to your problem? I am having the same issue. The MODIS collection 6 MYD04 file I want to read is valid, but hdf_open reports -1 fileHandle, and hdf_sd_start reports

invalid HDF file or filename.
