
Subject: Re: Unable to open HDF in IDL

Posted by [Liam E. Gumley](#) on Tue, 05 Aug 2003 14:14:56 GMT

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"Roy" <sjarn1@student.monash.edu.au> wrote in message
news:7a599348.0308042335.51c08575@posting.google.com...

> Hello,

>

> I am using IDL 5.4 on linux. I was able to open my HDF files without
> any problems using the following program:

>

> PRO hdf,geo,rain

>

> file = hdf_sd_start('2A25.971231.535.5.HDF')

> indexa = hdf_sd_nametoindex(file, 'geolocation')

> indexb = hdf_sd_nametoindex(file, 'nearSurfRain')

> varida = hdf_sd_select(file, indexa)

> varidb = hdf_sd_select(file, indexb)

> hdf_sd_getdata, varida, geo

> hdf_sd_getdata, varidb, rain

> hdf_sd_endaccess, varida

> hdf_sd_endaccess, varidb

> hdf_sd_end, file

>

> return

> end

>

> However, I have now moved to a new computer attached to the same
> servers and now I cannot get past:

>

> % Compiled module: \$MAIN\$.

> % Compiled module: HDF.

> % Loaded DLM: HDF.

>

> IDL stops at the end line.

>

> I have checked out my HDF file and it appears to be fine

>

> Does anyone have any suggestions as to why this is happening?

What is the "end line"?

Can you post the full IDL output from the computer where the program fails?

Have you tried reading just one SDS?

The "return" statement in your program is not required by the way.

Cheers,

Liam.

Subject: Re: Unable to open HDF in IDL
Posted by [sjarn1](#) on Tue, 05 Aug 2003 23:17:44 GMT
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"Liam Gumley" <Liam.Gumley@ssec.wisc.edu> wrote in message
news:<bgoe53\$ngb\$1@news.doit.wisc.edu>...
> "Roy" <sjarn1@student.monash.edu.au> wrote in message
> news:7a599348.0308042335.51c08575@posting.google.com...
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> Cheers,
> Liam.
> Practical IDL Programming
> <http://www.gumley.com/>

By "end line" I meant "% Loaded DLM: HDF."

There is no further output from IDL. But rather than returning me to the IDL prompt, it just stays at that line.

If I enter each line individually, the problem occurs at the line:

```
file = hdf_sd_start('filexxx.HDF')
```

This happens regardless of the HDF file I use, although they all previously opened on a different machine.
Any further ideas?

Thanks

Subject: Re: Unable to open HDF in IDL
Posted by [David Fanning](#) on Tue, 05 Aug 2003 23:29:58 GMT
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Roy writes:

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>>> % Compiled module: $MAIN$.  
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>>> % Loaded DLM: HDF.  
>>>  
>>> IDL stops at the end line.  
>>>  
>>> I have checked out my HDF file and it appears to be fine  
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>>> Does anyone have any suggestions as to why this is happening?
```

This whole business of "Compiled module: \$MAIN is suspicious.

Are you sure you don't have another END statement in that file? I think you are running an empty main program rather than the program you *think* you are running. :-)

Try just compiling the HDF file by itself:

```
IDL> .compile HDF
```

If you don't get an "Compiled module: \$MAIN" nonsense,
then just run the HDF file itself:

```
IDL> HDF
```

I suspect that will work.

Cheers,

David

--

David W. Fanning, Ph.D.

Fanning Software Consulting, Inc.

Phone: 970-221-0438, E-mail: david@dfanning.com

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

Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Unable to open HDF in IDL

Posted by [sjarn1](#) on Thu, 07 Aug 2003 00:48:47 GMT

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Hi All,

The problem appeared to be an incompatibility issue with Red Hat 9
and opening HDF in IDL 5.4. The files/scripts all work fine on
machines running older versions of Red Hat

avid Fanning <david@dfanning.com> wrote in message
news:<MPG.1999ebdcafcdf45f9896cc@news.frii.com>...

> Roy writes:

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>>>> % Compiled module: \$MAIN\$.

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> David
