
Subject: Re: Read_grib under IDL 7.0
Posted by [prm](#) on Wed, 05 Nov 2008 08:47:04 GMT
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Hello, Ray

In short, your problem seems that IDL does not find the correct file.
You are not alone!

As far as I know (for I am a newbie and I have only used IDL from version 7.0) path management is radically different - at least inside Eclipse. For this reason I use a simple procedure in each project to cd into the project directory and to ensure that the current path is where I know it is. I then reference each file to compile relative to this known location.

I hope this helps...

Pablo Rodríguez

On 5 nov, 05:12, ray.laymon...@gmail.com wrote:

```
> All,
>
> Solution should be easy but I couldn't figure out and couldn't find
> the solution in the user forum. I would appreciate any help.
>
> I have been using the read_grib.pro scripts of Andy Pursch (over
> ittviz user community downloads). For the past year I didn't have
> problem running it under IDL 6.3. Since the read_grib package contains
> 5 scripts, I have been compiling each script via "resolve_routine"
> commend before calling "read_grib.pro" in my scripts.
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> So far, I didn't have any problem, but when I tried to run the same
> script under IDL7.0 I had an error saying
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> Stat = IDL_GRIB(file, Count = LCount)
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> At: /home/usr/bin/read_grib.pro, Line 612
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> At: /home/usr/bin/read_grib.pro, Line 631
> % Compiled module: READ_GRIB.
> % Attempt to call undefined procedure/function: 'READ_GRIB'.
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```

> read_the_grib_file.pro
>
> And when I run the same script under IDL 6.3, (without editing a dot),
> it runs without any problem.
> Could anyone possibly help me what would be the reason?
>
> Cheers,
> Ray

Subject: Re: Read_grib under IDL 7.0
Posted by [David Fanning](#) on Wed, 05 Nov 2008 12:57:19 GMT
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ray.laymon064@gmail.com writes:

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> itvvis user community downloads). For the past year I didn't have
> problem running it under IDL 6.3. Since the read_grib package contains
> 5 scripts, I have been compiling each script via "resolve_routine"
> commend before calling "read_grib.pro" in my scripts.

Oh, dear. It always amazes me what contortions people
go through to run IDL programs. Believe me when I say
running RESOLVE_ROUTINE is **never** necessary. (At least
I've never used it in 20+ years of IDL programming.)

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This is simply an IDL path problem. Here is what to do.
Right click on all of your IDL projects under IDL 7
and under Properties -> IDL Project Properties turn off
the button that offers to "Update IDL path when project
is opened or closed".

When you have gotten IDL out of the business of thinking
for you, find the Preferences button and go to IDL Preferences->
Paths and start to enter the directories where you keep your
IDL files. These could be files in your projects, or just IDL
files (such as the READ_GRIB) files that you just want to have
available to you.

That's it. That's all you have to do. All of those programs
should now be found without having to do one more single thing!
(Sometimes you have to rearrange the directories in your path,
if you have files with the same name, etc. But rearranging
your path to put your directories before IDL's is about
all I've ever found necessary.)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

Subject: Re: Read_grib under IDL 7.0

Posted by [Andrew Cool](#) on Thu, 06 Nov 2008 02:01:16 GMT

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On Nov 5, 2:12 pm, ray.laymon...@gmail.com wrote:

> All,

>

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> the solution in the user forum. I would appreciate any help.

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> it runs without any problem.
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>
> Cheers,
> Ray

```

You do remember that there are DLL and DLM files that need to be copied into the appropriate folders, e.g. C:\RS\IDL63\bin\bin.x86 on a Windows box?

That's why the READ_GRIB function is failing - it can't find the DLL/DLM files.

Check out the Help that comes in the IDL_GRIB zip file.

Andrew

Subject: Re: Read_grib under IDL 7.0
 Posted by [ray.laymon064](#) on Thu, 06 Nov 2008 16:41:42 GMT
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On Nov 5, 9:01 pm, Andrew Cool <andrew.c...@dsto.defence.gov.au> wrote:

```

> On Nov 5, 2:12 pm, ray.laymon...@gmail.com wrote:
>
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> DLM files.
>
> Check out the Help that comes in the IDL_GRIB zip file.
>
> Andrew

```

Yes, I did copy the idl_grib.dlm and idl_grib.so files
under /usr/local/itt/idl/bin/bin.linux.x86 (running under linux)..
at first I also thought about these two files, but still didn't work.

One thing I learned is I really didn't need the `resolve_routine` commend (thx David).

Actually I also copied all necessary grib scripts under the working directory.

Library path looks fine. I copied the necessary `.dln` & `.so` files.. I don't understand why I can read the files under v6.3 but still not under v7.0..

Thanks all,
Ray
