
Subject: Re: Segmentation fault with CDF routines under Linux
Posted by [riglerej](#) on Sat, 11 Nov 2000 00:23:16 GMT

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DOH! It's been almost three years since I last used IDL (sadly I've been forced to use MATLAB the whole time). I recall making this mistake quite often in my old IDL days. Thanks for the quick reminder. Of course calling CDF_OPEN with "file[0]" fixed all my problems!

-Josh

In article <3A0C8541.2F5A26BF@indra.com>,

Med Bennett <mbennett@indra.com> wrote:

> I've not used CDF, but the only thing I can think of is that perhaps your

> variable 'file' is a string array of length 1 rather than just a string.

> What does it say if you do a 'help,file' after

> file=findfile('ac*_swe_'+year_beg+month_beg+day_beg+*.cdf')? This has

> tripped me up numerous times in other situations. You should probably also

> use a variable name other than 'file', as that is a keyword to the open

> procedure.

>

> riglerej@my-deja.com wrote:

>

>> Using both 5.3, and 5.4, I consistently have problems with seg-faults

>> when trying to run various CDF routines under Linux. I'm fairly new to

>> using IDL to read CDFs, but I'm not trying to do anything strange.

In

>> fact, I can't even get cdf_open to work.

>>

>> Specifically, I have a problem when my argument to cdf_open is a string

>> provided by the findfile routine. If I type in my own string,

>> everything works great, but if it comes from findfile, I get a

>> seg-fault. The excerpt below is copied exactly from my session, and

>> should give a very clear idea of what is happening...

>>

>> IDL Version 5.4 (linux x86). (c) 2000, Research Systems, Inc.

>> Installation number: 100.

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>>

```

>> IDL> year_beg='2000'
>> IDL> month_beg='08'
>> IDL> day_beg='01'
>> IDL> help
>> % At $MAIN$
>> DAY_BEG      STRING  = '01'
>> MONTH_BEG   STRING  = '08'
>> YEAR_BEG     STRING  = '2000'
>> Compiled Procedures:
>>   $MAIN$
>>
>> Compiled Functions:
>>
>> IDL> file=findfile('ac_*_swe_'+year_beg+month_beg+day_beg+'*.cdf' )
>> IDL> print,file
>> ac_k0_swe_20000801_v01.cdf
>> IDL> id=cdf_open(file)
>> % Loaded DLM: CDF.
>> Segmentation fault
>>
>> [jrigler@moiraine] [15:55:03]
>> 1016 <~/research/LPF/data/cdf/ace/swe/2000> idl
>> IDL Version 5.4 (linux x86). (c) 2000, Research Systems, Inc.
>> Installation number: 100.
>> Licensed for use by: moiraine
>>
>> IDL> file='ac_k0_swe_20000801_v01.cdf'
>> IDL> id=cdf_open(file)
>> % Loaded DLM: CDF.
>> IDL>
>>
>> Can anyone else recreate this on Linux, or with versions other than
5.3
>> and 5.4? I tried this with several different cdf files, so I don't
>> think it is a problem with the file format. Any other ideas?
>>
>> -Josh
>>
>> P.S. While I'd love to move to HDF, that is not an option, so it
might
>> be wisest not to make that suggestion.
>>
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