
Subject: Segmentation fault with CDF routines under Linux

Posted by [riglerej](#) on Fri, 10 Nov 2000 08:00:00 GMT

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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...

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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
```

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```
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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