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 exerpt below is copied exactly from my session, an should give a very clear idea of what is happening...

```
IDL Version 5.4 (linux x86). (c) 2000, Research Systems, Inc.
Installation number: 100.
Licensed for use by: moiraine
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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