

---

Subject: Re: netCDF 3.6.0.

Posted by [K. Bowman](#) on Wed, 07 Dec 2005 21:41:48 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

In article <1133986409.672216.119350@z14g2000cwz.googlegroups.com>, carlos.badenes@gmail.com wrote:

```
> Hi,
>
> I am having problems opening netCDF files with the NETCDF suite of
> routines included in IDL 6.2:
>
> IDL> id = ncd_f_open('~/Desktop/sresa1b_ncar_ccsm3_0_run1_200001.nc')
> % NCDF_OPEN: Unable to open the file
> "~/Desktop/sresa1b_ncar_ccsm3_0_run1_20000
>      1.nc". (NC_ERROR=-31)
> % Execution halted at: $MAIN$
>
> This is an example file downloaded from the netCDF web site, so I'm
> pretty sure that the file is OK. Yet, IDL does not seem to recognize it
> as a netCDF file.
>
> Can anyone confirm whether the netCDF routines in IDL are compatible
> with netCDF 3.6.0? If the answer is no, does anybody know how to make a
> 3.6.0 file '3.5.1. compatible'? I'd rather avoid downgrading the netCDF
> installation.
>
> Thanks!
>
> Carles
```

This generally means that it is not finding the file. Try dragging the file into a terminal window. That will cause the full path to the file to appear in the terminal window.

For other OS X users, I keep this little AppleScript on my desktop as a compiled script named ncdump.

```
on open (list_of_aliases)
  tell application "Terminal"
    activate
    set macfile to (first item of list_of_aliases) as string (* extract first
alias *)
    set unixfile to POSIX path of macfile (* convert to Unix path *)

    "/usr/local/bin/ncdump " & unixfile & " | less" (* run ncdump command *)
  end tell
```

end open

Dragging a netCDF file onto automatically opens a new terminal window and does an ncdump.

Ken Bowman

---

---

Subject: Re: netCDF 3.6.0.

Posted by [news.qwest.net](http://news.qwest.net) on Wed, 07 Dec 2005 22:04:31 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Perhaps the '~' is not being expanded properly in your filename.  
Try moving the file elsewhere, and putting in the exact full filepath.

I can read it.

```
IDL> ncdf_cat,filename
```

```
% Compiled module: NCDF_CAT.
```

```
% Loaded DLM: NCDF.
```

```
Dimensions 5
```

```
lat 128
```

```
lon 256
```

```
bnds 2
```

```
plev 17
```

```
time 1(Unlimited dim)
```

```
.... etc ....
```

```
Cheers,  
bob
```

<carlos.badenes@gmail.com> wrote in message  
news:1133986409.672216.119350@z14g2000cwz.googlegroups.com.. .  
> Hi,

>  
> I am having problems opening netCDF files with the NETCDF suite of  
> routines included in IDL 6.2:  
>  
> IDL> id = ncdf\_open('~/Desktop/sresa1b\_ncar\_ccsm3\_0\_run1\_200001.nc')  
> % NCDF\_OPEN: Unable to open the file  
> "~/Desktop/sresa1b\_ncar\_ccsm3\_0\_run1\_20000  
> 1.nc". (NC\_ERROR=-31)  
> % Execution halted at: \$MAIN\$  
>  
> This is an example file downloaded from the netCDF web site, so I'm  
> pretty sure that the file is OK. Yet, IDL does not seem to recognize it  
> as a netCDF file.  
>  
> Can anyone confirm whether the netCDF routines in IDL are compatible  
> with netCDF 3.6.0? If the answer is no, does anybody know how to make a  
> 3.6.0 file '3.5.1. compatible'? I'd rather avoid downgrading the netCDF  
> installation.  
>  
> Thanks!  
>  
> Carles  
>

---

---

Subject: Re: netCDF 3.6.0.

Posted by [carlos.badenes](#) on Wed, 07 Dec 2005 22:17:32 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

You are absolutely correct, of course. The ~ is 'understood' by IDLWAVE in the sense that it will expand filenames from it by using the TAB key, but then the string containing ~ is not recognized by the interpreter.

If I am making this kind of mistake, it means it's time to go home and get some rest. Thanks!

---