
Subject: Re: Error opening NetCDF - file

Posted by [benjaminforeback](#) on Wed, 05 Aug 2015 00:39:08 GMT

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On Monday, July 20, 2015 at 6:11:07 AM UTC-7, Paul van Delst wrote:

> On 07/15/15 11:51, Kai Heckel wrote:

>> Hello!

>>

>> I am currently working on a time series including multiple NetCDF's.

>> My procedure includes a call to a "read_netcdf"-script. The first

>> line there is "ncdf_open". This is usually no problem but very few

>> files are causing an error here saying 'Unable to open the file "..."

>> (NC_ERROR=-101)'. When I try to open these NetCDF's in the BEAM

>> software I get the message 'No appropriate reader found'.

>>

>>

>> So I guess somethings wrong with the header of these NetCDF's? I have

>> no clue and would be glad if you could help me out here.

>

> What version of IDL do you have?

>

> From Lajos's reply it would appear you have a netCDF4 file - which uses

> HDF5 to handle the hard stuff that classic netCDF couldn't.

>

> Newer versions of IDL "understand" netCDF4. So, if you have an old(er)

> version of IDL, that may be your problem. (If, indeed, it isn't what

> Lajos indicated - you are trying to read a regular HDF5 file)

>

> I use the IDL netCDF browser to read netCDF3-and-4 datafiles with no

> problems.

>

> cheers,

>

> paulv

>

>

> p.s.

>

> IDL> print, !version

> { x86_64 linux unix linux 8.3 Nov 15 2013 64 64}

In general, HDF5 and NetCDF-4 are the same. IDL's HDF5 library can be used for accessing and reading NetCDF-4, so you could try using IDL's H5_* routines and using the file as if it was NetCDF4.
